

KRF-V4530D

KRF-V5030D/V5030DE/V5030D-S

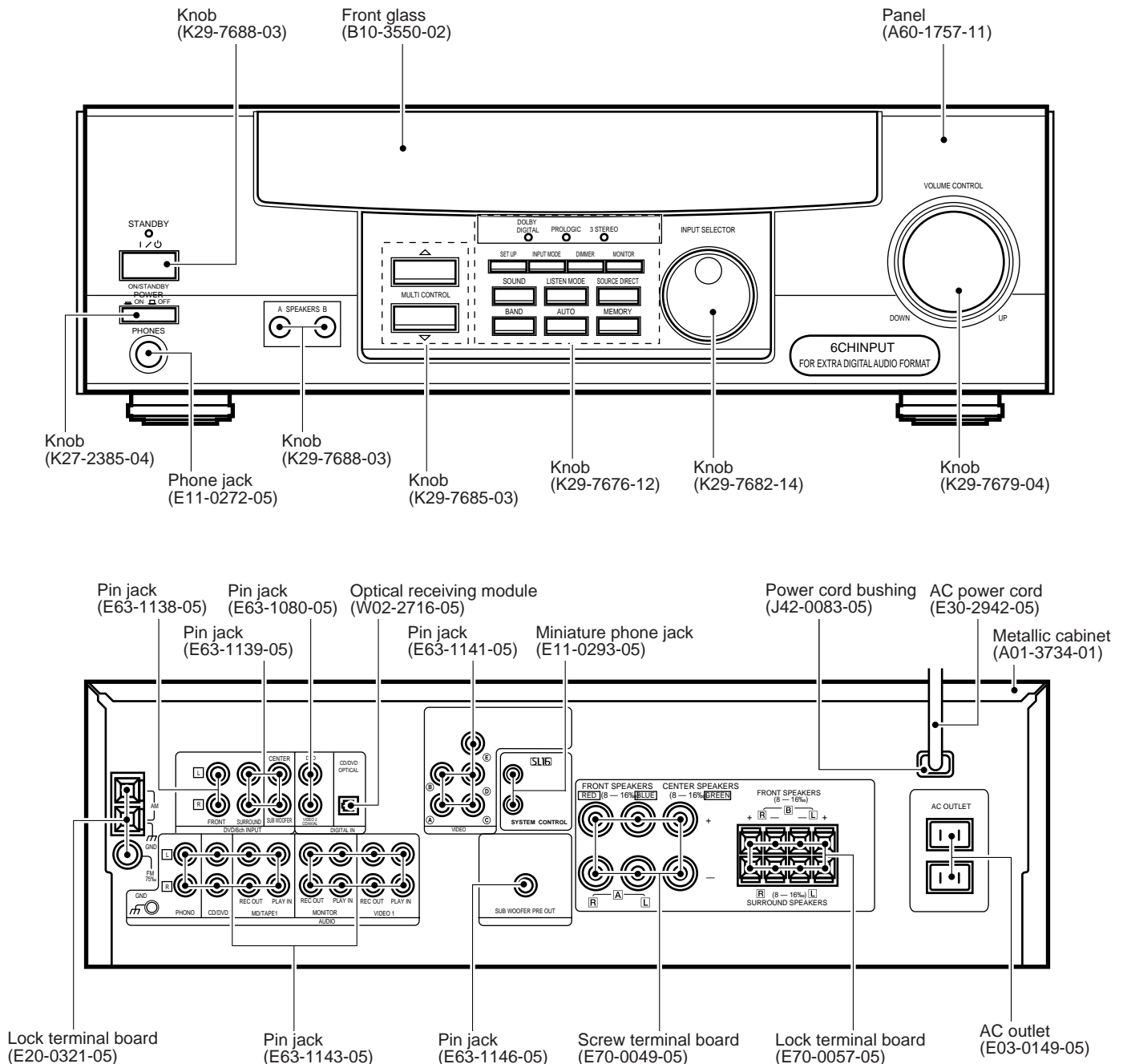
KRF-V6030D/V6030DE/V6030D-S

VR-405/406/414

SERVICE MANUAL

© 2000-1/B51-5597-00 (K/K) 3493

Note: On circuit description, please refer to KRF-V7030D service manual(B51-5598-00).



KRF-V4530D/V5030D/V6030D/VR-405/406/414

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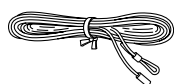
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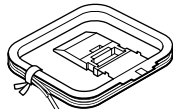
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Accessories

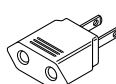
FM indoor antenna (1)
(T90-0836-05)



AM loop antenna (1)
(T90-0852-05)



*AC plug adaptor (1)
(E03-0115-05)



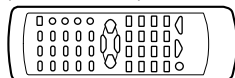
*Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)

For VR-406 and KRF-V6030D

Remote control unit (1)

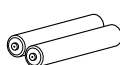
(A70-1330-05): RC-R0609

(A70-1331-05): RC-R0610(E type)



Battery cover (A09-1178-08)

Batteries (R6/AA) (2)

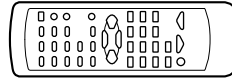


For VR-405, VR-414, KRF-V5030D, and KRF-V4530D

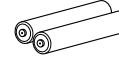
Remote control unit (1)

(A70-1328-05): RC-R0509

(A70-1329-05): RC-R0510(E,T type)



Battery cover (A09-1178-08)



Caution

Copy from
instruction
manual.

The manual covers the VR-407, VR-406, VR-405, VR-414, KRF-V7030D, KRF-V6030D, KRF-V5030D, and KRF-V4530D. Items such as functions, number of jacks, and remote control details differ somewhat between these models. To confirm the functions available on the model you have purchased, refer to the table below.

Model name	Remote Control	Terminal		
		Speaker out	VIDEO 3 jacks	Front input
VR-407 KRF-V7030D	RC-R0609	2 systems (A, B)	Equipped	Equipped
VR-406 KRF-V6030D	RC-R0609	2 systems (A, B)	Not equipped	Not equipped
VR-405/414 KRF-V5030D/ V4530D	RC-R0509	1 system	Not equipped	Not equipped

This manual is divided into four sections, Preparations, Operations, Other, and Remote Control.

Remote Control (Separate booklet) (VR-407/VR-406/KRF-V7030D/KRF-V6030D only)

Includes the "Quick Start Guide," which shows you how to operate other components using the remote control, as well as a detailed explanation of all remote control operations. Once you have registered your components with the proper setup codes, you'll be able to operate both this receiver and your other AV components (TV, VCR, DVD player, LD player, CD player, etc.) using the remote control supplied with this receiver.

VIDEO 2/MONITOR jacks (for VR-406/405/414/KRF-V6030D/V5030D/V4530D)

The receiver's VIDEO 2/MONITOR jacks can be used in two different ways. Make the appropriate setting for the component connected to the jack when the receiver is turned on.

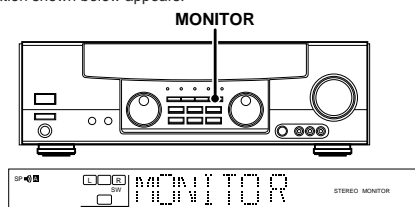
Use as a VIDEO 2 jack

You can connect a video deck or the like to these jacks and perform video playback and recording. The initial factory setting is "VIDEO 2".

Use as a MONITOR jack

You can connect a cassette deck or the like to these jacks and make use of the deck's monitoring function during recording. Alternately, you can connect a graphic equalizer to these jacks to apply compensation to the music signal.

To use the VIDEO 2/MONITOR jacks as MONITOR jacks, hold down the MONITOR key of the main unit for more than two seconds so that the indication shown below appears.



- At the same time the setting is switched to "MONITOR," the audio input source switches to tuner and the video input source switches to VIDEO 1.
- To switch the setting back to "VIDEO 2," once again hold down the MONITOR key for two seconds or more.

Memory back up function

Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 3 days.

- Power mode.
- Input selector settings.
- Device preset.
- Picture output.
- Speaker ON/OFF.
- Volume level.
- BASS, TREBLE, INPUT level.
- Subwoofer ON/OFF.
- Dimmer level.
- Monitor ON/OFF.
- MD/TAPE settings.
- 6CH/2CH input setting.
- Listen mode setting.
- Speaker settings.
- Input mode setting.
- Midnight mode setting.
- Broadcast band.
- Frequency setting.
- Preset stations.
- Tuning mode.

Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

- Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

For U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

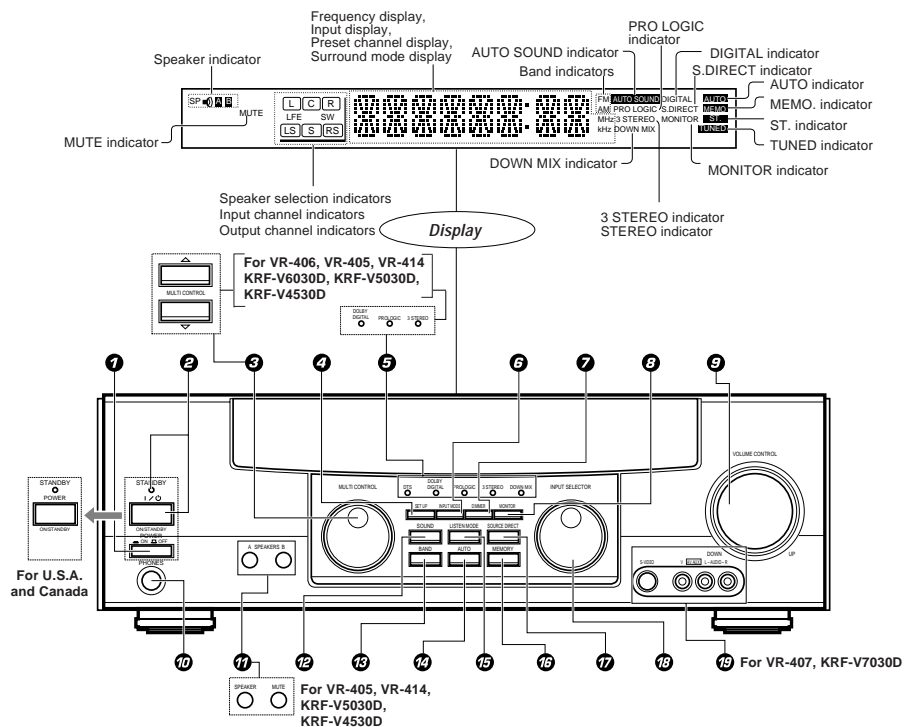
For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER.

Model vs PCB

MODEL	ABB	POWER SUPPLY	POWER AMP	PREAMP	DISPLAY
KRF-V4530D	E4	-	X07-3142-71	X08-3010-11	X14-7122-72
KRF-V5030D	E1	-	X07-3142-71	X08-3010-11	X14-7122-72
KRF-V5030D	T5	-	X07-3140-51	X08-3010-11	X14-7122-72
KRF-V5030D	Y5	X00-3000-20	X07-3142-91	X08-3010-11	X14-7120-22
KRF-V5030D-S	E3	-	X07-3142-71	X08-3010-11	X14-7122-72
KRF-V5030D-S	I5	X00-3000-20	X07-3140-21	X08-3010-11	X14-7120-22
KRF-V5030D-S	M5	X00-3000-20	X07-3140-21	X08-3010-21	X14-7120-22
KRF-V5030D-S	X5	-	X07-3140-71	X08-3010-11	X14-7120-72
KRF-V5030DE	E2	-	X07-3142-71	X08-3010-11	X14-7122-72
VR-405	K5	-	X07-3140-10	X08-3010-10	X14-7120-11
VR-405	P5	-	X07-3140-10	X08-3010-10	X14-7120-11
VR-414	K4	-	X07-3140-11	X08-3010-10	X14-7120-11
VR-414	P4	-	X07-3140-11	X08-3010-10	X14-7120-11
KRF-V6030D	E6	-	X07-3132-72	X08-3010-10	X14-7122-71
KRF-V6030D-S	I6	X00-3000-20	X07-3130-22	X08-3010-10	X14-7120-21
KRF-V6030D-S	M6	X00-3000-20	X07-3130-22	X08-3010-21	X14-7120-21
KRF-V6030D-S	X6	-	X07-3130-72	X08-3010-10	X14-7120-71
KRF-V6030DE	E7	-	X07-3132-72	X08-3010-10	X14-7122-71
VR-406	K6	-	X07-3130-11	X08-3010-10	X14-7120-10
VR-406	P6	-	X07-3130-11	X08-3010-10	X14-7120-10

CONTROLS



1 POWER key
(Except for U.S.A. and Canada)
Use to turn the main power ON/OFF.

2 POWER key
(For U.S.A. and Canada)
Use to turn the power ON/OFF.

3 STANDBY indicator
4 ON/STANDBY (I/O) key
(Except for U.S.A. and Canada)
Use to switch the power ON/STANDBY when the POWER is turned ON.

5 MULTI CONTROL knob
(For VR-407/KRF-V7030D)
Used to make a variety of settings.

6 MULTI CONTROL keys
(For VR-406/405/414/KRF-V6030D/V5030D/V4530D)
Used to make a variety of settings.

7 SET UP key
Use to select the surround sound settings.

8 Surround indicators
• **DTS indicator**
(For VR-407/KRF-V7030D)
Lights when the receiver is in the DTS mode.

• **DOLBY DIGITAL indicator**
Lights when the receiver is in the Dolby Digital mode.

• **PRO LOGIC indicator**
Lights when the receiver is in the PRO LOGIC mode.

• **3 STEREO indicator**
Lights when the receiver is in the 3 STEREO mode.

• **DOWN MIX indicator**
(For VR-407/KRF-V7030D)
Lights when the receiver is in the DOWN MIX mode.

9 INPUT MODE key
Use to switch between the digital and analog inputs.

10 DIMMER key
Use to adjust the brightness of the display.
Use to select the REC MODE.

11 MONITOR key
Use to monitor the source that is connected to the MONITOR jack.

12 VOLUME CONTROL knob
13 PHONES jack
Use for headphone listening.

14 SPEAKERS A/B keys
(For VR-407/406/KRF-V7030D/V6030D)
Use to turn the A/B speakers ON/OFF.

15 SPEAKER key
(For VR-405/414/KRF-V5030D/V4530D)
Use to turn the speaker ON/OFF.

16 MUTE key
(For VR-405/414/KRF-V5030D/V4530D)
Use to temporarily mute the sound.

17 SOUND key
Use to adjust the sound quality and ambience effects.

18 BAND key
Use to select the broadcast band.

19 AUTO key
Use to select the auto tuning mode.

20 LISTEN MODE key
Use to select the listening mode.

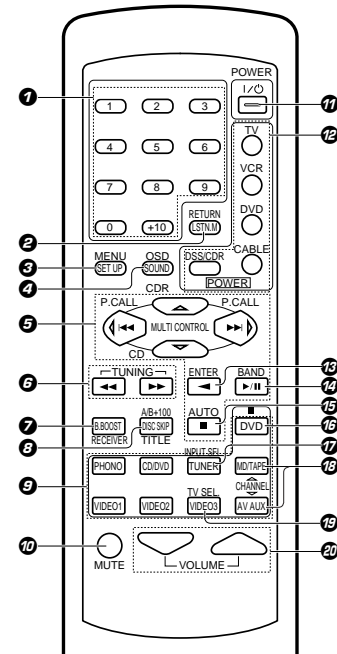
21 MEMORY key
Use to store radio stations in the preset memory.

22 SOURCE DIRECT key
Use to pass the source material direct to the amplifier.

23 INPUT SELECTOR knob
Use to select the input source.

24 AUX IN S VIDEO/VIDEO/AUDIO L/R jacks
(For VR-407/KRF-V7030D)

Remote control unit (RC-R0609) (VR-407/406/KRF-V7030D/V6030D)



There are some cases in which keys (or knobs) that have the same function on the receiver and on the remote control have different names. In the instructions of this manual, if the names of corresponding keys (or knobs) on the receiver and remote control are different, the name of the remote control key is indicated in parentheses.

1 Numeric keys
Provide functions identical to those of the original remote control supplied with the component you are controlling.

2 LSTN.M key
Use to select the listening mode.

3 RETURN key
Use to operate other components.

4 SET UP key
Use to select the surround sound settings.

5 MENU key
Use to operate other components.

6 SOUND key
Use to adjust the sound quality and ambience effects.

7 OSD key
Use to operate other components.

8 MULTI CONTROL keys
Used to make a variety of settings.

9 INPUT SELECTOR keys (DVD, PHONO, CD/DVD, TUNER, MD/TAPE, VIDEO1, VIDEO2, VIDEO3, AV AUX)
Selects the inputs and sets the remote control to operate the component registered at the respective input.

10 P. CALL <-> keys
If tuner is selected as the input source, these keys function as P.CALL keys.

11 <-> keys
If CD or MD is selected as the input source, these keys function as search keys.

12 TUNING <-> keys
Use to operate the tuner or selected component.

13 B. BOOST key
Use to select the maximum adjustment setting for the low frequency range.

14 REVERSE key
Use to return to the operation of the receiver.

15 DISC SKIP key
If CD is selected as the input source, this key functions as the multi-CD player disc skip key.

16 A/B key
If TAPE is selected as the input source, this key functions as a double cassette deck.

17 +100 key
Use to select the disc number with the multi-CD player.

18 TITLE key
Use to operate other components.

19 INPUT SELECTOR keys (DVD, PHONO, CD/DVD, TUNER, MD/TAPE, VIDEO1, VIDEO2, VIDEO3, AV AUX)
Selects the inputs and sets the remote control to operate the component registered at the respective input.

20 MUTE key
Use to temporarily mute the sound.

21 POWER key
Use to turn the receiver on and off.

22 POWER key (TV, VCR, DVD, DSS/CDR, CABLE)

Use to turn the other components on and off.

23 ENTER key
Use to operate other components.

24 <-> key
If tape is selected as the input source, this key functions as the play key for side B of the cassette (the side facing away from the front of the deck).

25 BAND key
Use to select the broadcast band.

26 >-> key
If CD is selected as the input source, this key functions as the play/pause key.

27 II key
If MD is selected as the input source, this key functions as the play key.

28 AUTO key
Use to select the auto tuning mode.

29 >-> key
If CD or MD is selected as the input source, this key functions as the stop key.

30 II key
Use to operate other components.

31 INPUT SEL. key
Use to operate other components.

32 CHANNEL <-> keys
Use to select the channel.

33 TV SEL. key
Use to operate other components.

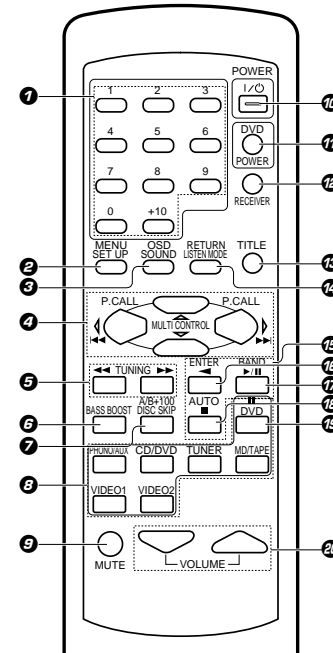
34 VOLUME keys
Use to adjust the receiver volume.

Standby mode

While the standby indicator of the unit is lit, a small amount of current is flowing into the unit's internal circuitry to back up the memory. This condition is referred to as the standby mode of the unit. While the unit is in the standby mode, it can be turned ON from the remote control unit.

CONTROLS

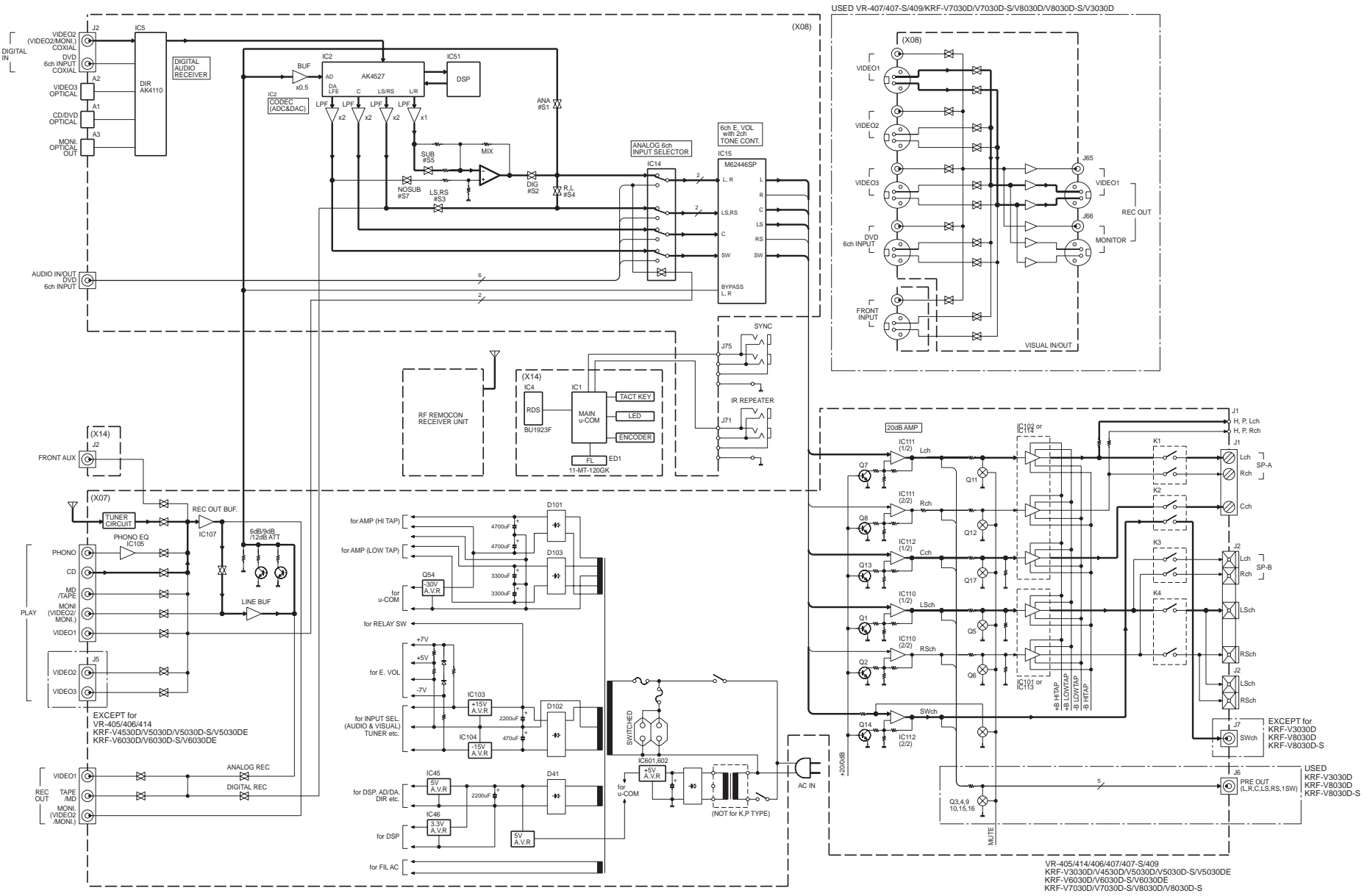
Remote control unit (RC-R0509) (VR-405/414/KRF-V5030D/V4530D)



- ③ **Numeric keys**
If CD or MD is selected as the input source, these keys function as numeric keys. If tuner is selected as the input source, these keys are used to call up station presets.
- ④ **SET UP key**
Use to select the surround sound settings.
- MENU key**
Use to operate other components.
- ⑤ **SOUND key**
Use to adjust the sound quality and ambient effects.
- OSD key**
Use to operate other components.
- ⑥ **MULTI CONTROL keys**
Used to make a variety of settings.
- P.CALL <D> keys**
If tuner is selected as the input source, these keys function as P.CALL keys.
- <A/B> keys**
If CD or MD is selected as the input source, these keys function as search keys.
- ⑦ **TUNING <A/B> keys**
If tuner is selected as the input source, these keys function as tuning keys.
- ⑧ **BASS BOOST key**
Use to select the maximum adjustment setting for the low frequency range.
- ⑨ **DISC SKIP key**
If CD is selected as the input source, this key functions as the multi-CD player disc skip key.
- A/B key**
If TAPE is selected as the input source, this (A and B) of a double cassette deck.
- +100 key**
Use to select the disc number with the multi-CD player.
- ⑩ **INPUT SELECTOR keys (DVD, PHONO/AUX, CD/DVD, TUNER, MD/TAPE, VIDEO1, VIDEO2)**
Selects the inputs and sets the remote control to operate the component registered at the respective input.
- ⑪ **MUTE key**
Use to temporarily mute the sound.
- ⑫ **POWER key**
Use to turn the receiver on and off.
- ⑬ **DVD key**
Used to operate DVD player.
For details, refer to the instruction manual of your DVD player.
- ⑭ **RECEIVER key**
Use to return to the operation of the receiver.
- ⑮ **TITLE key**
Use to operate other components.
- ⑯ **LISTEN MODE key**
Use to select the listening mode.
- RETURN key**
Use to operate other components.
- ⑰ **Component operation keys**
These keys to operate other components with system control connections to the receiver.
- ◀ key**
If tape is selected as the input source, this key functions as the play key for side B of the cassette (the side facing away from the front of the deck).
- ▶/II key**
If CD is selected as the input source, this key functions as the play/pause key.
If MD is selected as the input source, this key functions as the play key.
- key**
If CD or MD is selected as the input source, this key functions as the stop key.
- ⑱ **ENTER key**
Use to operate other components.
- ⑲ **BAND key**
If tuner is selected as the input source, this key functions as the band selector key.
- ⑳ **AUTO key**
If tuner is selected as the input source, this key functions as the AUTO key.
- ㉑ **II key**
Use to operate other components.
- ㉒ **VOLUME keys**
Use to adjust the receiver volume.

KRF-V4530D/V5030D/V6030D/VR-405/406/414

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Pin description of microprocessor : X14,IC1(MN101C35DRA)

Pin No.	Pin Name	I/O	Description
1	S. DATA	I/O	Serial data signal.
2	S.BUS	I/O	Serial busy signal.
3	SEL. ST1	O	Strobe output to input selector (IC106).
4	SEL/VOL/PLL DT	O	Data output to selector,volume and PLL IC.
5	SEL/VOL/PLL CLK	O	Clock output to selector,volume and PLL IC.
6	SEL. ST2	O	Strobe 2 output to input selector (IC109).
7	PLL. CE	O	PLL chip enable.
8	Vdd (+5v)	-	Power supply.
9	OSC OUT	O	8MHz clock output.
10	OSC IN	I	8MHz clock input.
11	Vss	-	Connected to ground.
12	X IN	-	Connected to ground.
13	X OUT	-	No used.
14	MMCD	-	Connected to ground.
15	Vref-	-	Connected to ground.
16,17	KEY2,KEY1	I	Input terminal of key1 and key2.
18	MODEL TYPE	I	Discrimination port of models.
19	TH. SENS	I	No used.
20	PROTECT	I	Detection port of protection signal 1.
21	PROTECT2	I	Detection port of protection signal 2.
22	S.LEVEL/CH SPACE	I	RDS S level and channel space changeover.
23	PLL DO	I	RDS PLL data signal input.
24	Vref+	-	Reference voltage of AD converter..
25	CE	I	Chip enable.
26	RESET	I	Reset signal input.
27	T. MUTE	O	Muting signal output to tuner.
28	RF ST	O	CE signal output of RF receiver IC.
29	RF DT	O	Data signal output of RF receiver IC.
30	RF CLK	O	Clock signal output of RF receiver IC.
31	VOL.ST	O	Latch output of electric volume.
32	DSP INTREQ	I/O	Detection port of DSP INTREQ.
33	DTS DET	I	Detection port of DTS data.
34	REMOCON	I	Remote control signal input.
35	DIR ERR	I	Detection port of DIR error signal.
36	DZF	I	Detection port of CODEC zero input.
37	RDS.CLK	I	RDS clock input.
38	RDS.DAT/CE2	I	RDS data input./u-COM chip enable 2.
39	DSP/DIR/CORDEC CDIN	O	Serial data output.
40	DSP/DIR/CDOUT	I	Serial data input.
41	DSP/DIR/CORDEC CCLK	O	Clock output to IC2, IC5 and IC51on X08.
42	DSP CS	O	DSP chip select.
43	DSP PD	O	DSP power down.
44	DIR CODEC CS	O	CODEC chip select.
45	DIR CODEC PD	O	DIR CODEC power down.
46	NO USE	-	No used.
47-57	1G-11G	O	FL grid control(1G-11G).
58-74	P1-P17	O	FL segment control(P1-P17).
75	PACK CONT.	O	Power pack control.
76	LIMMITER	O	Control port of A class power supply.
77	REAR RE	O	Relay control terminal of surround speaker.
78	CENTER RE	O	Relay control terminal of center speaker.
79	FB RE	O	Relay control terminal of front B speaker.
80	FA RE	O	Relay control terminal of front A speaker.

KRF-V4530D/V5030D/V6030D/VR-405/406/414

CIRCUIT DESCRIPTION

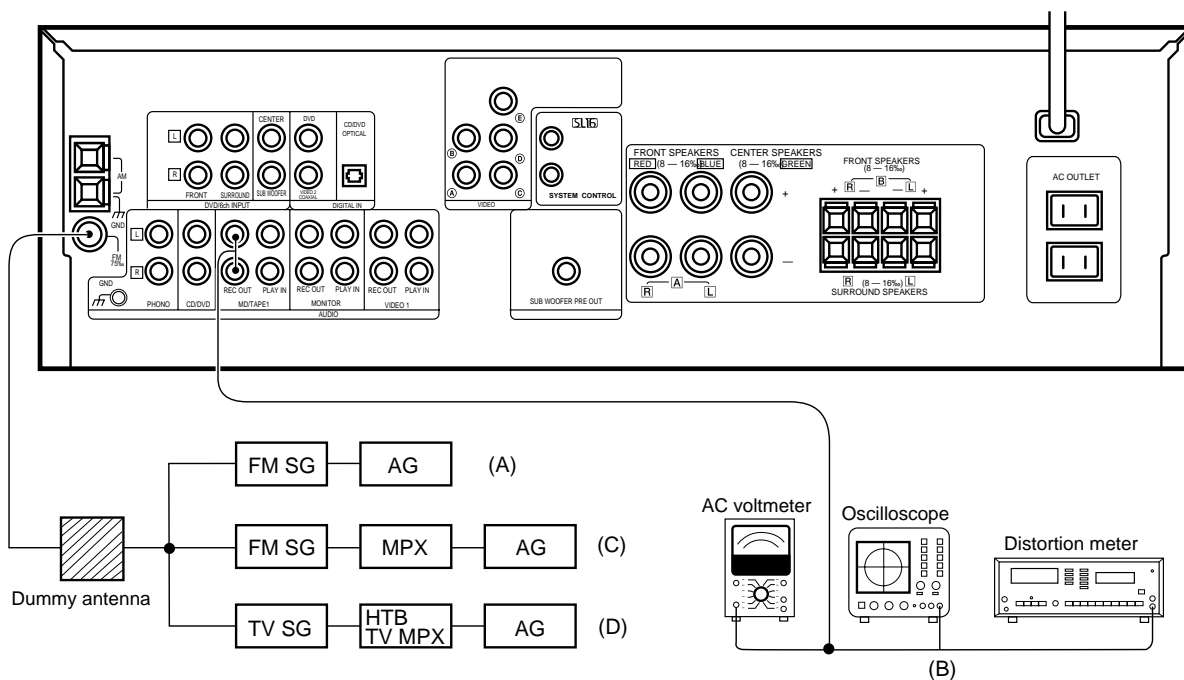
Pin No.	Pin Name	I/O	Description
81	POWER RE	O	Power relay control.
82	CS5. 1(DOWN MIX)LED	O	Control terminal of CS5.1(DOWN MIX) LED.
83	3 STEREO LED	O	Control terminal of 3 STEREO LED.
84	DTS LED	O	Control terminal of DTS LED.
85	DOLBY DIGITAL LED	O	Control terminal of DOLBY DIGITAL LED.
86	PROLOGIC LED	O	Control terminal of PROLOGIC LED.
87	STANDBY LED	O	Control terminal of STANDBY LED.
88	PRE OUT MUTE	O	Muting control terminal of pre out.
89	20dB ATT	O	20dB attenuation(volume) control terminal.
90	A.MUTE	O	Audio muting signal output.
91	ABOOT	O	EPROM CS.
92	MULTI. ENC CW	I	Multi cont. encoder signal input(clockwise).
93	MULTI. ENC CCW	I	Multi cont. encoder signal input(counterclockwise).
94	SEL. ENC CW	I	Selector encoder signal input(clockwise).
95	SEL. ENC CCW	I	Selector encoder signal input(counterclockwise).
96	VOL. ENC CW	I	Volume encoder signal input(clockwise).
97	VOL. ENC CCW	I	Volume encoder signal input(counterclockwise).
98	STEREO	I	Stereo (tuner) signal input.
99	SD	I	Tuner (SD)detector input.
100	Vpp(-30V)	-	FL power supply(-35V).

KRF-V4530D/V5030D/V6030D/VR-405/406/414

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION : EXCEPT E,T type SELECTOR : FM							
1	DISCRIMINATOR (K,P only)	(A) 98.0MHz 1kHz, ±75kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN4 ① and CN4 ② (X07)	98.0MHz	L4 (X07)	0V	
2	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±75kHz dev. 29.2dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (X07)	Adjust VR1 and stop at the point where ED1 (TUNED) goes on.	
FM SECTION : E,T type only SELECTOR : FM ※ Adjust NO.1 and NO.2 repeat.							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN4 ① and CN4 ② (X07)	MONO 98.0MHz	L4 (X07)	0V	
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (X07)	Minimum distortion	
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT (FRONT END : A1)	Minimum distortion (L or R)	
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 29.2dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (X07)	Adjust VR1 and stop at the point where ED1 (TUNED) goes on.	

SYSTEM CONNECTIONS



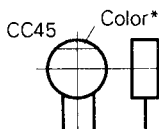
KRF-V4530D/V5030D/V6030D/VR-405/406/414

PARTS DESCRIPTIONS

CAPACITORS

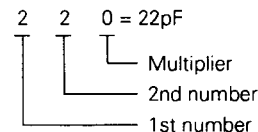
CC 45 TH 1H 220 J
1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



Capacitor value

- 010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

Chip capacitors

- (EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)
- (EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)
- Refer to the table above.
- 1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

Chip resistor (Carbon)

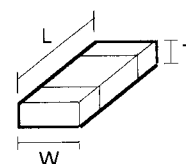
- (EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B, F)

Carbon resistor (Normal type)

- (EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

- 1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

Dimension



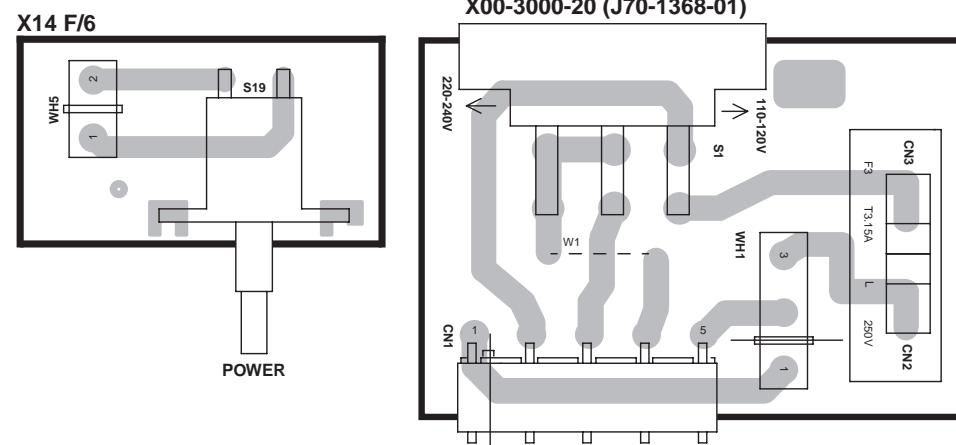
Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

Rating wattage

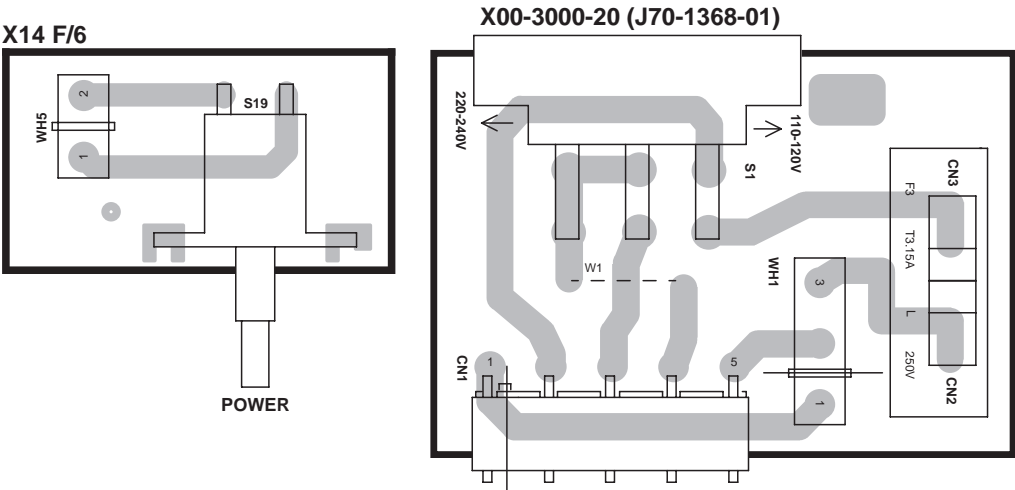
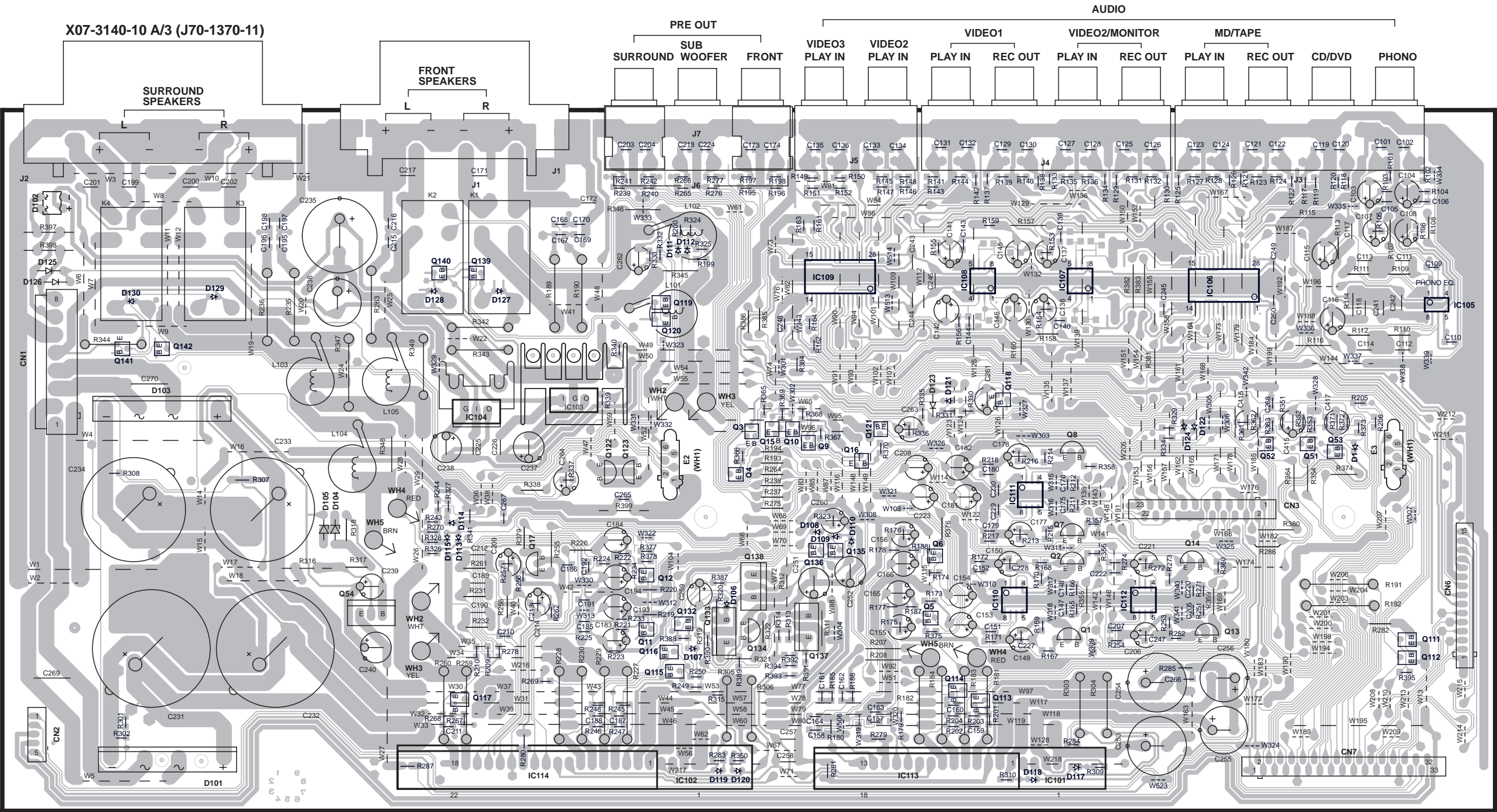
Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

1	
2	
3	
4	
5	
6	
7	

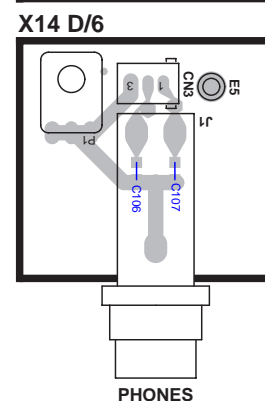
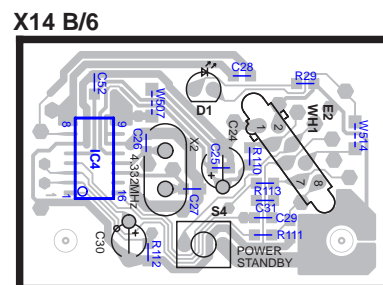
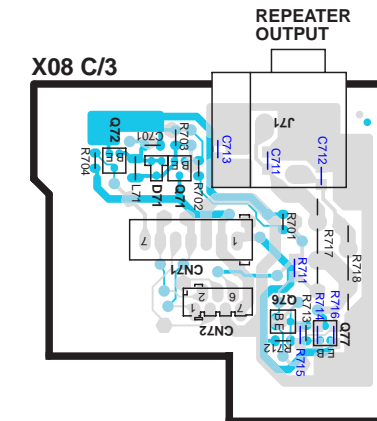
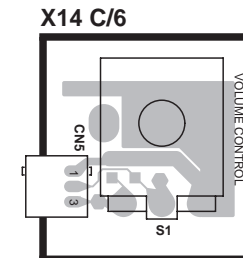
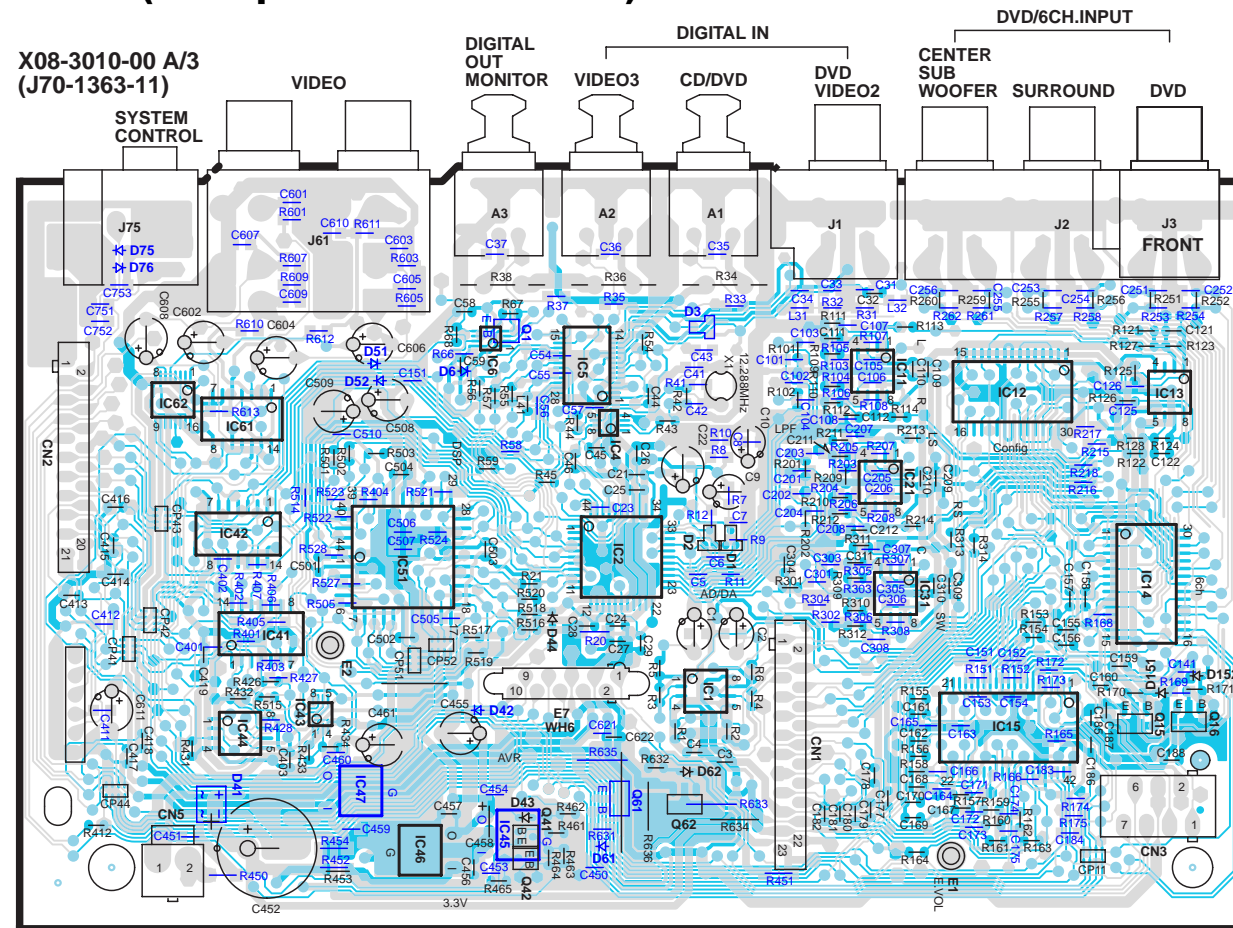


11

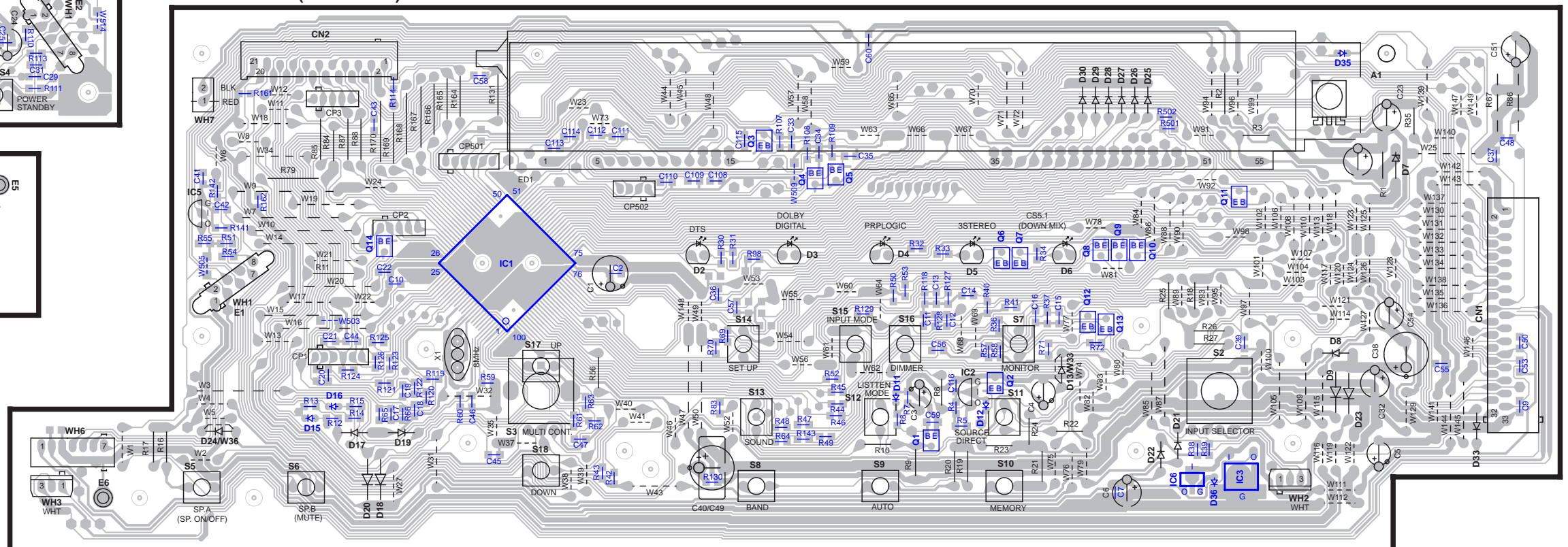
PC BOARD (Component side view)



PC BOARD (Component side view)



X14-7120-10 A/6 (J70-1409-11)



TUNER UNIT (X07-31XX-XX) (B/3)

(K,P,M,I,X,Y) TYPE

A1 (W02-2622-05)

FM FRONT-END

MIX [DISTORTION(ST)]

VT 5

IF-OUT 7

VCC +B 6

OSC OUT 8

7.3V

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

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OSC 100P

OSC 100P

OSC 100P

(E,T) TYPE

A1 (W02-2584-05)

FM FRONT-END

MIX [DISTORTION(ST)]

VT 5

IF-OUT 7

VCC +B 6

OSC OUT 8

7.3V

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

OSC 100P

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OSC 100P

OSC 100P

OSC 100P

OSC 100P

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	0-10 or 0-11					YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	YES	NO	470P	0.022	0.033	L72-0596 (MS2)	NO	LA1837	NO	YES	NO	YES	NO	F10-1129

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	YES	NO	470P	0.022	0.033	L72-0596 (MS2)	NO	LA1837	NO	YES	NO	YES	NO	F10-1129

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	YES	NO	470P	0.022	0.033	L72-0596 (MS2)	NO	LA1837	NO	YES	NO	YES	NO	F10-1129

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	YES	NO	470P	0.022	0.033	L72-0596 (MS2)	NO	LA1837	NO	YES	NO	YES	NO	F10-1129

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	YES	NO	470P	0.022	0.033	L72-0596 (MS2)	NO	LA1837	NO	YES	NO	YES	NO	F10-1129

DESTINATION	UNIT No.	A	B	C	D	E	R8, 11	R14	R15	R23	R25	R27, 28	R29	R32	R72, 73
U.S.A.	K						YES	33	100	4.7K	9.1K	16K	6.8K	NO	15K
CANADA	P	YES	NO	470P	0.022	0.033	L72-0596 (MS2)	NO	LA1837	NO	YES	NO	YES	NO	F10-1129

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

- IC201 : *
- IC202 : LC72131
- Q201,203,204,206-209 : 2SD1819A(Q,R) or 2SC4081(R,S)
- Q202,212,214 : 2SB1218A(Q,R) or 2SA1576A(R,S)
- Q210,211 : 2SD1757K
- D201 : DA204U or 1SS302 or MA143A
- D203 : MTZJ8.2(B) or HZS8.2N(B2)
- D204 : MTZJ5.1(B) or HZS5.1N(B2)
- D211,213 : MA111
- D209 : MTZJ3.3(B) or HZS3.3N(B2)
- DIGITAL LINE
- SIGNAL LINE
- GND LINE
- +B LINE
- -B LINE
- VR-405/406/414 (1/4)
- KRF-V5030D/V5030D-S/V5030DE (1/4)
- KRF-V4530D (1/4)
- KRF-V6030D/V6030D-S/V6030DE (1/4)

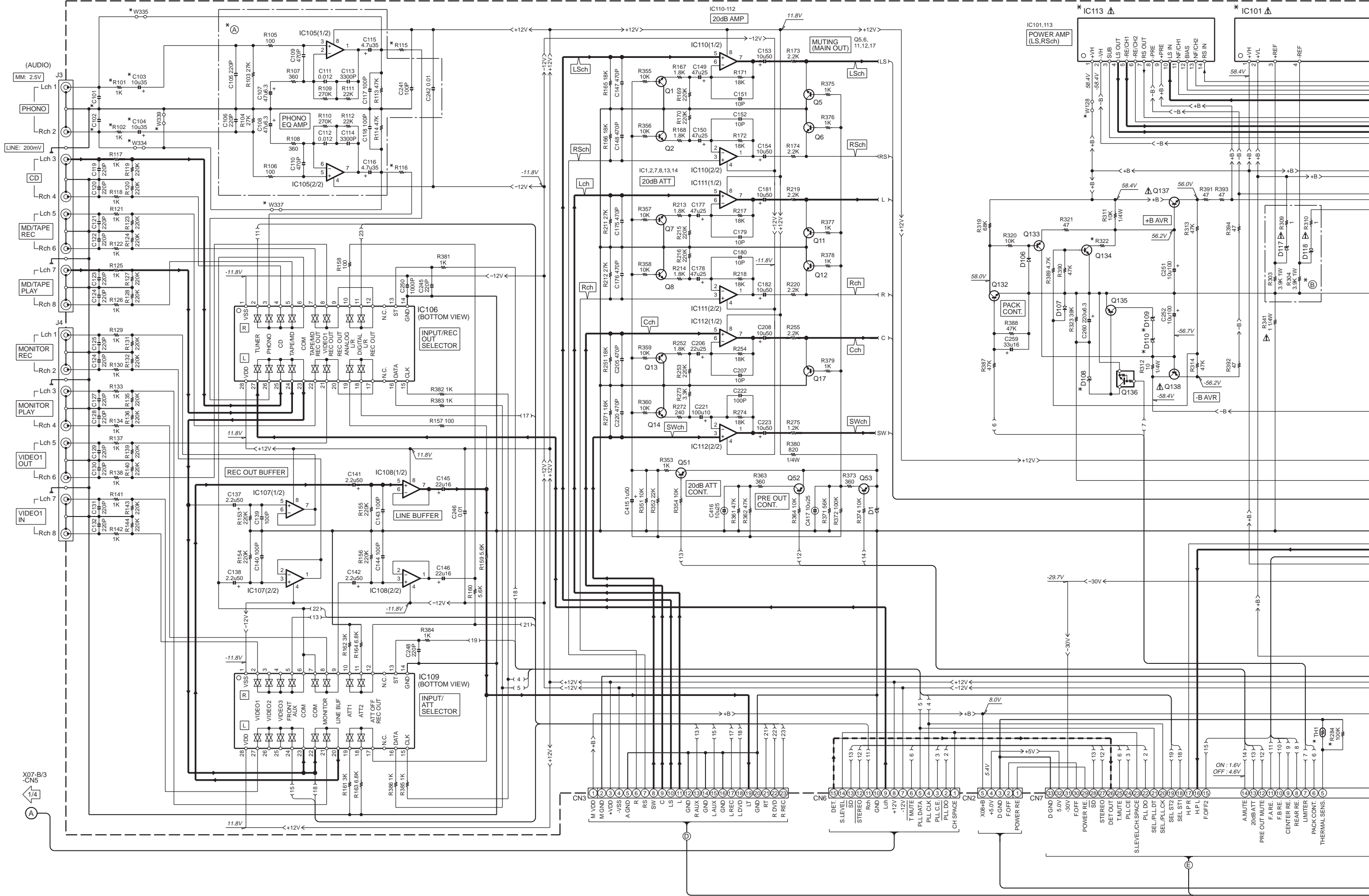
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y05-4050-10

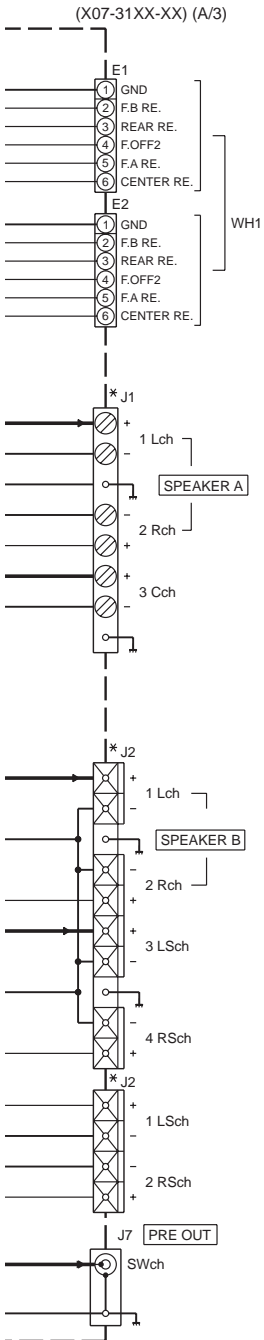
KRF-V4530D/V5030D/V6030D/VR-405/406/414

KENWOOD

(X07-31XX-XX) (A/3)







(X07-) (A/3)
VR-406 (X07-3130-11)

DESTINATION		UNIT No.	A	B	C	C101, 102	C103,104,199, 202,255,256	C23 232	C233, 234	C269	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102,284	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R322	R324, 325	TH1	W56,128,334, 335,337	W339
COUNTRY	ABB.																																
U.S.A.	K	0-11	YES	39P	YES	4700u75	3300u42	NO	D5SBA20F03	UDZ8.2B	UDZ15B	UDZ16B	NO	YES	STK412-020A	STK413-020A	NO	SCREW	8P	YES	YES	YES	100	1.8K	9.1K	33K	18K	75K	NO	NO	YES		
CANADA	P																																

KRF-V6030D/V6030DE (X07-3132-72)

DESTINATION		UNIT No.	A	B	C	C101, 102	C103,104,199, 202,255,256	C231, 232	C233, 234	C269	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233, 234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
COUNTRY	ABB.																																	
EUROPE	E	2-72	YES	39P	YES	4700u63	3300u35	NO	RBV-602LFA	UDZ6.2B	UDZ10B	UDZ13B	NO	YES	STK412-020A	STK413-020A	NO	SCREW	8P	YES	YES	YES	100	2.4K	9.1K	33K	NO	18K	75K	YES	NO	YES		

KRF-V6030D-S (X07-313X-XX)

DESTINATION		UNIT No.	(A)	(B)	(C)	C101, 102	C103,104,199, 202,255,256	C231, 232	C233, 234	C269	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
COUNTRY	ABB.																																	
GENERAL MARKET	M	0-22	YES	39P	YES	4700u75	3300u42	NO	RBV-602LFA D5SBA20F03	UDZ8.2B	UDZ15B	UDZ16B	YES	YES	STK412-020A	STK413-020A	NO	SCREW	8P	YES	YES	YES	100	1.8K	9.1K	33K	NO	18K	75K	YES	NO	YES		
MALAYSIA	I												NO																					
AUSTRALIA	X												0-72																				NO	

VR-405 (X07-3140-10)

DESTINATION		UNIT No.	A	B	C	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
COUNTRY	ABB.																																	
U.S.A.	K	0-10	NO	YES	220P			4700u75	3300u42	YES	D5SBA20F03	UDZ6.8B	UDZ16B	UDZ13B	NO	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO	1K	2.2K	11K	33K	YES	10K	75K	NO	YES	NO
CANADA	P																																	

VR-414 (X07-3140-11)

DESTINATION		UNIT No.	A	B	C	C101, 102	C103,104,199,202, 233,234,255,256	C231, 232	C269	D103	D108	D109,110	D125, 126,129	IC101,102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279,280, 322	R284	R324, 325	TH1	W56,128,334, 335,337	W339
COUNTRY	ABB.																												
U.S.A.	K	0-11	NO			220P		4700u63	YES	NO	UDZ3.3B	UDZ13B		NO	YES	LEVER	4P	NO	NO	NO	1K	2.7K	15K	10K	YES	200K	NO	YES	NO
CANADA	P																												

KRF-V5030D-S (X07-314X-XX)

DESTINATION		UNIT No.	A	B	C	C101, 102	C103,104, 255,256	C199, 202,269	C231, 232	C233, 234	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188,233, 234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128, 339	W334, 335,337
COUNTRY	ABB.																																	
GENERAL MARKET	M	0-21	YES	39P	YES	NO	4700u75	3300u42	RBV-602LFA	UDZ6.8B	UDZ16B	UDZ13B	YES	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	YES	100	2.2K	11K	33K	NO	10K	75K	YES	YES	NO		
MALAYSIA	I																																	
AUSTRALIA	X																																0-71	

KRF-V5030D (X07-314X-XX)/KRF-V4530D/V5030DE/V5030D-S (X07-3142-71)

DESTINATION		UNIT No.	Ⓐ	Ⓑ	Ⓒ	C101, 102	C103,104, 255,256	C199, 202,269	231, 232	C233, 234	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188,233, 234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128, 339	W334, 335,337
COUNTRY	ABB																																	
PX	Y	2-91	YES			39P	YES	NO	4700u75	3300u42	D5SBA20F03	UDZ6.8B	UDZ16B	UDZ13B	YES											2.2K								
EUROPE	E	2-71		4700u63	3300u35	RBV-602LFA	UDZ5.6B	UDZ11B	UDZ10B	NO	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	YES	100						2.7K	11K	33K	NO	10K	100K	YES	YES	NO
U.K.	T	0-51																																

(X07-) (C/3)

VR-406 (X07-3130-11)

DESTINATION		UNIT No.	C605	C606	CN62	CN63,64, 68,69	D608	F1	F2	IC601	IC602	J61	K601	P61	R602	R604	R609	R610	T1	W23,75, 250	W63, 251
COUNTRY	ABB.																				
U.S.A.	K	0-11	NO	0.1	YES	NO	1SS133 or HSS104A	F50-0077 8A	NO	YES	NO	E03-0148	S76-0095	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO
CANADA	P																				

KRF-V6030D/V6030DE (X07-3132-72)

DESTINATION		UNIT No.	C605	C606	CN62,64,68,69	CN63	D608	F1	F2	IC601	IC602	J61	K601	P61	R602	R604	R609	R610	T1	W23,63,250,251	W75	
COUNTRY	ABB.																					
EUROPE	E	2-72	NO	0.1	YES	NO	RB721Q	F05-3121 T3.15AL	F05-2525 T2.5AL	NO	YES	E03-0149	S76-0107	NO	150K 1/4W	39 1/4W	150 1/4W	NO	NO	L07-2758 or L07-2761	NO	YES

KRF-V6030D-S (X07-313X-XX)

DESTINATION		UNIT No.	C605	C606	CN62	CN63	CN64	CN68, 69	D608	F1	F2	IC601	IC602	J61	K601	P61	R602	R604	R609	R610	T1	W23	W63, W251	W75	W250
COUNTRY	ABB.																								
GENERAL MARKET	M	0-22	YES	0.068	NO	YES	YES	NO	RB721Q	F05-3121 T3.15AL	NO	NO	YES	E03-0149	S76-0107	NO	20K 1/4W	NO	2.2 1/4W	NO	L07-2805	NO	YES	NO	YES
MALAYSIA	I																								
AUSTRALIA	X	0-72	NO	0.1	YES	NO								E03-0325			180K 1/4W	39 1/4W	180 1/4W	NO	L07-2758 or L07-2761		NO	YES	

VR-405 (X07-3140-10)

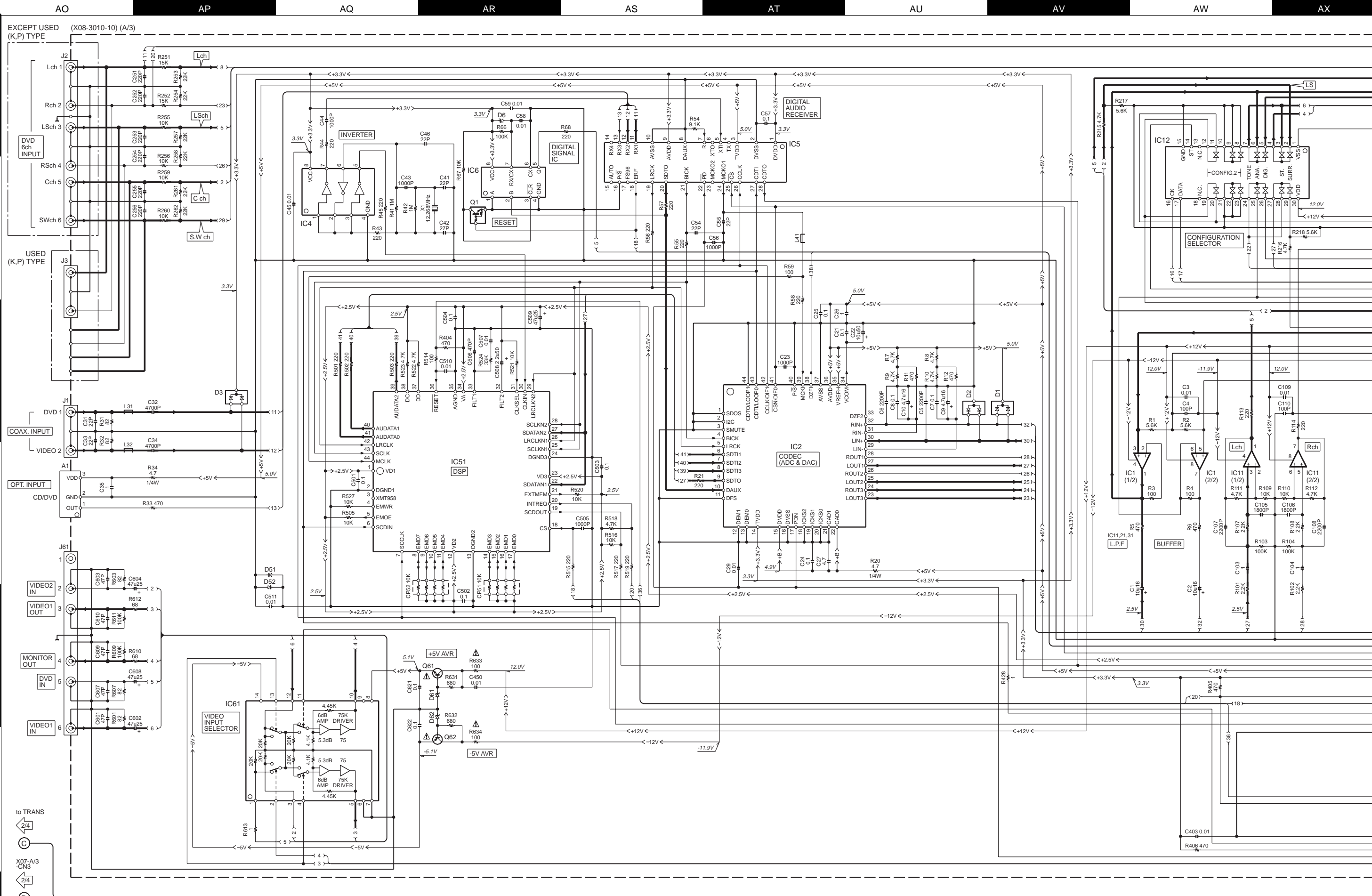
DESTINATION		UNIT No.	C605	C606	CN62	CN63,64, 68,69	D608	F1	F2	IC601	IC602	J61	K601	P61	R602	R604	R609	R610	T1	W23,75, 250	W63, 251
COUNTRY	ABB.																				
U.S.A.	K	0-10	NO	0.1	YES	NO	1SS133 or HSS104A	F50-0077 8A	NO	YES	NO	E03-0148	S76-0095	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO
CANADA	P																				

VR-414 (X07-3140-11)

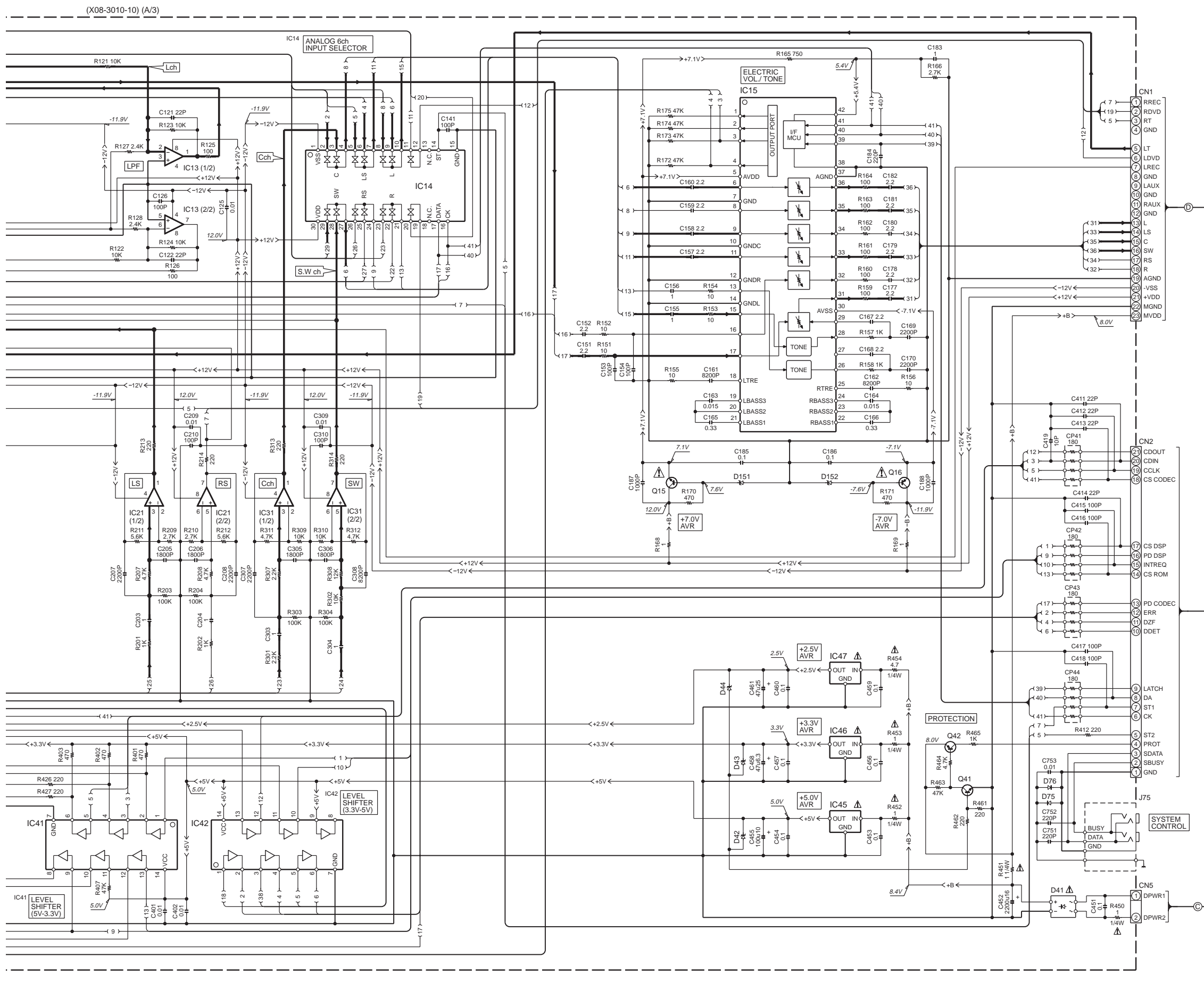
DESTINATION		UNIT No.	C605	C606	CN62	CN63,64,68,69	D608	F1	F2	IC601	IC602	J61	K601	P61	R602	R604	R609	R610	T1	W23,75,250	W63,251,252
COUNTRY	ABB.																				
U.S.A.	K	0-11	NO	0.1	YES	NO	1SS133 or HSS104A	F50-0076 6.3A	NO	YES	NO	E03-0148	S76-0095	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO
CANADA	P																				

KRF-V5030D-S (X07-314X-XX)

DESTINATION		UNIT No.	C605	C606	CN62	CN63	CN64	CN68, 69	D608	F1	F2	IC601	IC602	J61	K601	P61	R602	R604	R609	R610	T1	W23	W63, W251	W75	W250
COUNTRY	ABB																								
GENERAL MARKET	M	0-21	YES	0.068	NO	YES	YES	NO	RB721Q	F05-2525 T2.5AL	NO	NO	YES	E03-0149	S76-0099	NO	20K 1/4W	NO	2.2 1/4W	NO	L07-2805	NO	YES	NO	YES
MALAYSIA	I																								
AUSTRALIA	X	0-71	NO	0.1	YES	NO								E03-0325			180K 1/4W	39 1/4W	180 1/4W	NO	L07-2758 or L07-2781		NO	YES	



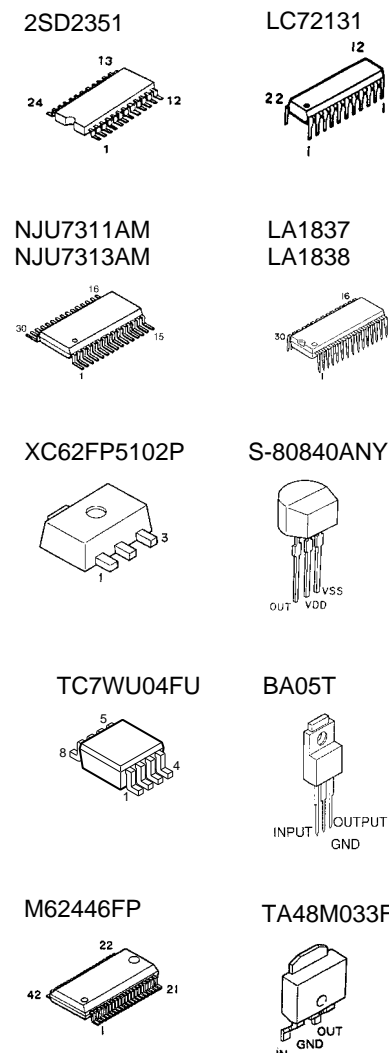
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.



- IC1,11,13,21,31 : NJM4565MD
 IC2 : AK4527-VQ
 IC4 : TCWU04FU
 IC5 : AK4110-VF
 IC6 : TC7WH123FU
 IC12,14 : NJM7311AM
 IC15 : M62446FP
 IC41 : TC74HC07AF
 IC42 : TC74HCT7007AF
 IC45 : TA48M05F
 IC46 : TA48M033F
 IC47 : TA48M025F
 IC51 : CS493253-CLR or CS493263-CLR
 IC61 : NJM2279M
 Q1 : DTC124EUA or UN5212
 Q15,61 : 2SD1664(Q,R) or 2SD1963(R,S)-G
 Q16,62 : 2SB1132(Q,R) or 2SB1308(Q,R)-G
 Q41 : 2SC4081(R,S) or 2SD1819A(Q,R)
 Q42 : 2SA1576A(R,S) or 2SB1218A(Q,R)
 D1,3 : 1SS301 or DAN202U or MA142WK
 D2 : 1SS300 or DAP202U or MA142WA
 D6,75,76 : MA111
 D41 : S12B20(4072)
 D42,43,61,62 : UDZ5.6B
 D44 : UDZ3.9B
 D151,152 : UDZ7.5B

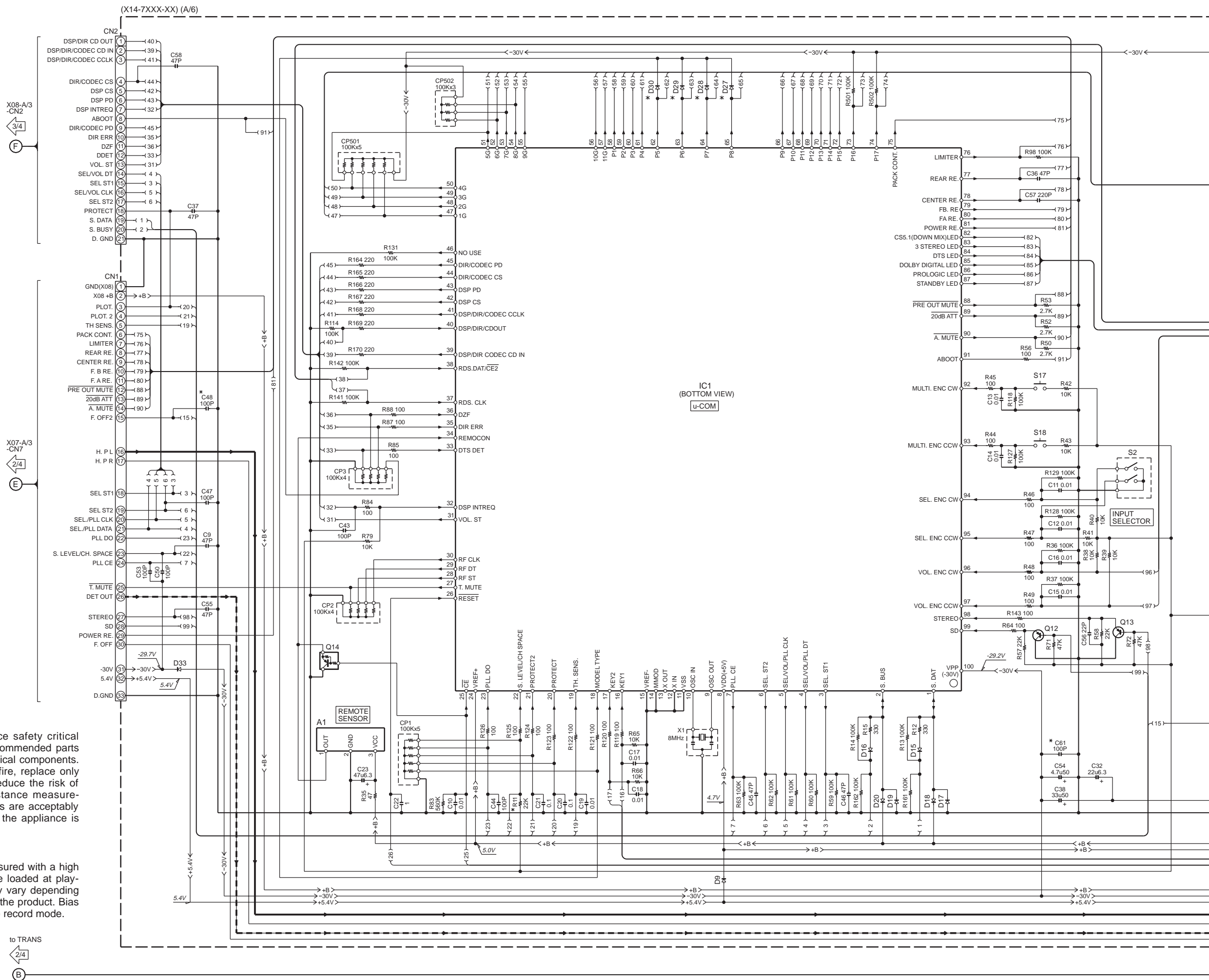
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



VR-405/406/414 (3/4)
 KRF-V5030D/V5030D-S/V5030DE (3/4)
 KRF-V4530D (3/4)
 KRF-V6030D/V6030D-S/V6030DE (3/4)

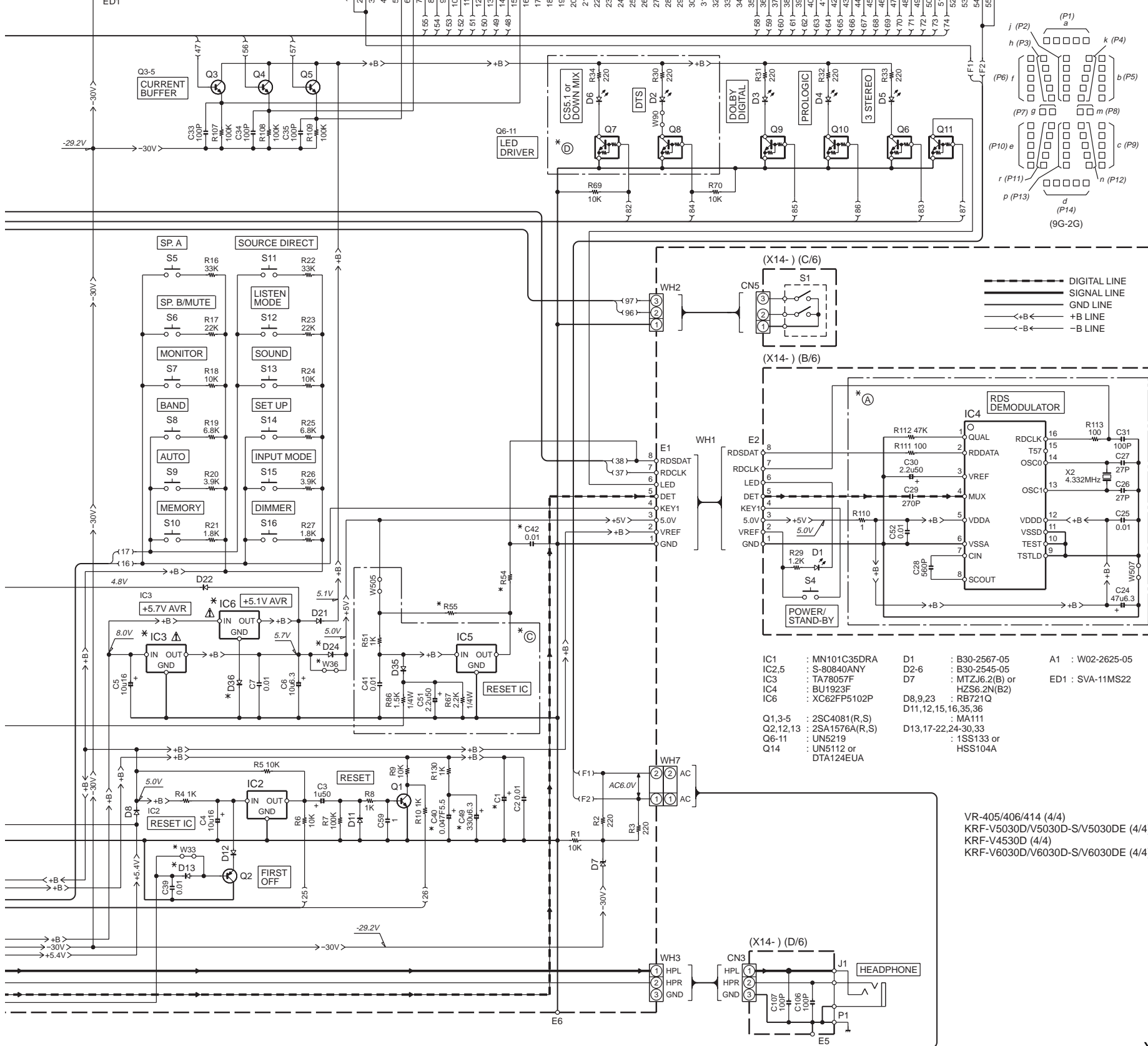
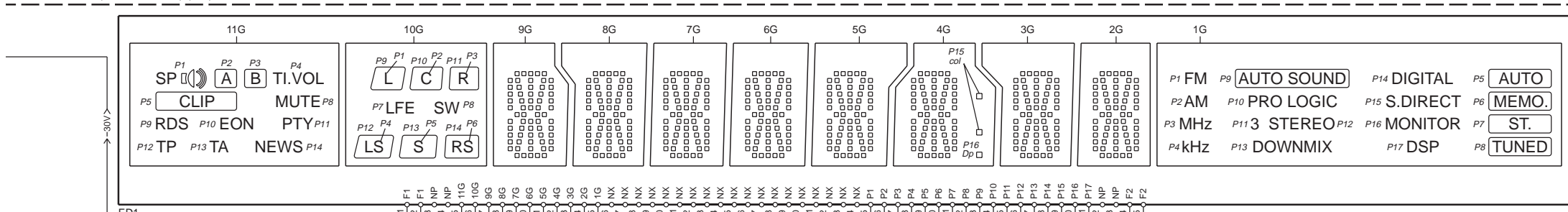
KRF-V4530D/V5030D/V6030D/VR-405/406/414



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at play-back mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

(X14-7XXX-XX) (A/6)



VR-406 (X14-7120-10)

DESTINATION	UNIT No.	(A) (B) (C) (D)	C1	C40,41,42,48,51,61	C49
COUNTRY	ABB.				
U.S.A.	K	0-10	NO	330u6.3	NO
CANADA	P				YES

DESTINATION	D13,27	D24,28-30,35,36	IC3	IC5,6	R11,51,67,68	R54,55	R69,70	W33,36,505
COUNTRY	ABB.							
U.S.A.	K	YES	NO	YES	NO	NO	YES	NO
CANADA	P							

KRF-V6030D (X14-7122-71) : KRF-V6030DE (X14-7122-71)

DESTINATION	UNIT No.	(A) (B) (C) (D)	C1	C40,61	C41,42,48,49,51
COUNTRY	ABB.				
EUROPE	E	2-71	YES	NO	100u10
					YES

DESTINATION	D13,29,35,36	D24,27,28,30	IC3	IC5,6	R11,51,67,68	R54,55	R69,70	W33	W36,505
COUNTRY	ABB.								
EUROPE	E	NO	YES	YES	NO	NO	YES	YES	NO

KRF-V6030D-S (X14-712X-XX)

DESTINATION	UNIT No.	(A) (B) (C) (D)	C1	C40,42	C41,48,51	C49,61
COUNTRY	ABB.					
GENERAL MARKET	M	0-21	NO	YES	100u10	YES
MALAYSIA	I					NO
AUSTRALIA	X	0-71	NO	NO		NO

DESTINATION	D13,30	D24	D27,28	D29	D35,36	IC3	IC5,6	R11,51,67,68	R54,55	R69,70	W33,505	W36
COUNTRY	ABB.											
GENERAL MARKET	M	NO	YES	NO	YES	NO	YES	YES	10K	YES	YES	YES
MALAYSIA	I											
AUSTRALIA	X	YES		YES	NO	YES	NO	NO	4.7K	YES	YES	NO

VR-405/414 (X14-7120-11)

DESTINATION	UNIT No.	(A) (B) (C) (D)	C1	C40,41,42,48,51,61	C49
COUNTRY	ABB.				
U.S.A.	K	0-11	NO	330u6.3	NO
CANADA	P				YES

DESTINATION	D13	D24,27-30,35,36	IC3	IC5,6	R11,51,67,68	R54,55	R69,70	W33,36,505
COUNTRY	ABB.							
U.S.A.	K	YES	NO	YES	NO	NO	YES	NO
CANADA	P							

KRF-V5030D-S (X14-712X-XX) : KRF-V4530D, KRF-V5030D (X14-712X-XX)

DESTINATION	UNIT No.	(A) (B) (C) (D)	C1	C40	C41,48,51	C42	C49	C61
COUNTRY	ABB.							
GENERAL MARKET	M	0-22	NO	YES	YES	YES	NO	NO
MALAYSIA	I							
AUSTRALIA	X	0-72	NO	YES	YES	10K	YES	YES
EUROPE	E	2-72	YES	NO	NO	NO	YES	YES

DESTINATION	D13,27	D24	D28	D29	D30	D35,36	IC3	IC5,6	R11,51,67,68	R30,34	R54,55	R69,70	W33	W36	W505
COUNTRY	ABB.														
GENERAL MARKET	M	NO	YES	NO	NO	YES	NO	YES	YES	10K	YES	YES	YES	YES	YES
MALAYSIA	I														
AUSTRALIA	X	NO	YES	YES	YES	NO	YES	NO	NO	4.7K	YES	YES	YES	YES	YES
EUROPE	E	YES		YES	YES	NO	YES	NO	NO	NO	NO	YES	YES	NO	NO

KRF-V5030D (X14-712X-XX)

DESTINATION	UNIT No.	(A) (B) (C) (D)	C1	C40	C41,42,48,51	C49	C61
COUNTRY	ABB.						
PX	Y	0-22	NO	YES	100u10	YES	NO
U.K.	T	2-72	YES	NO		NO	YES

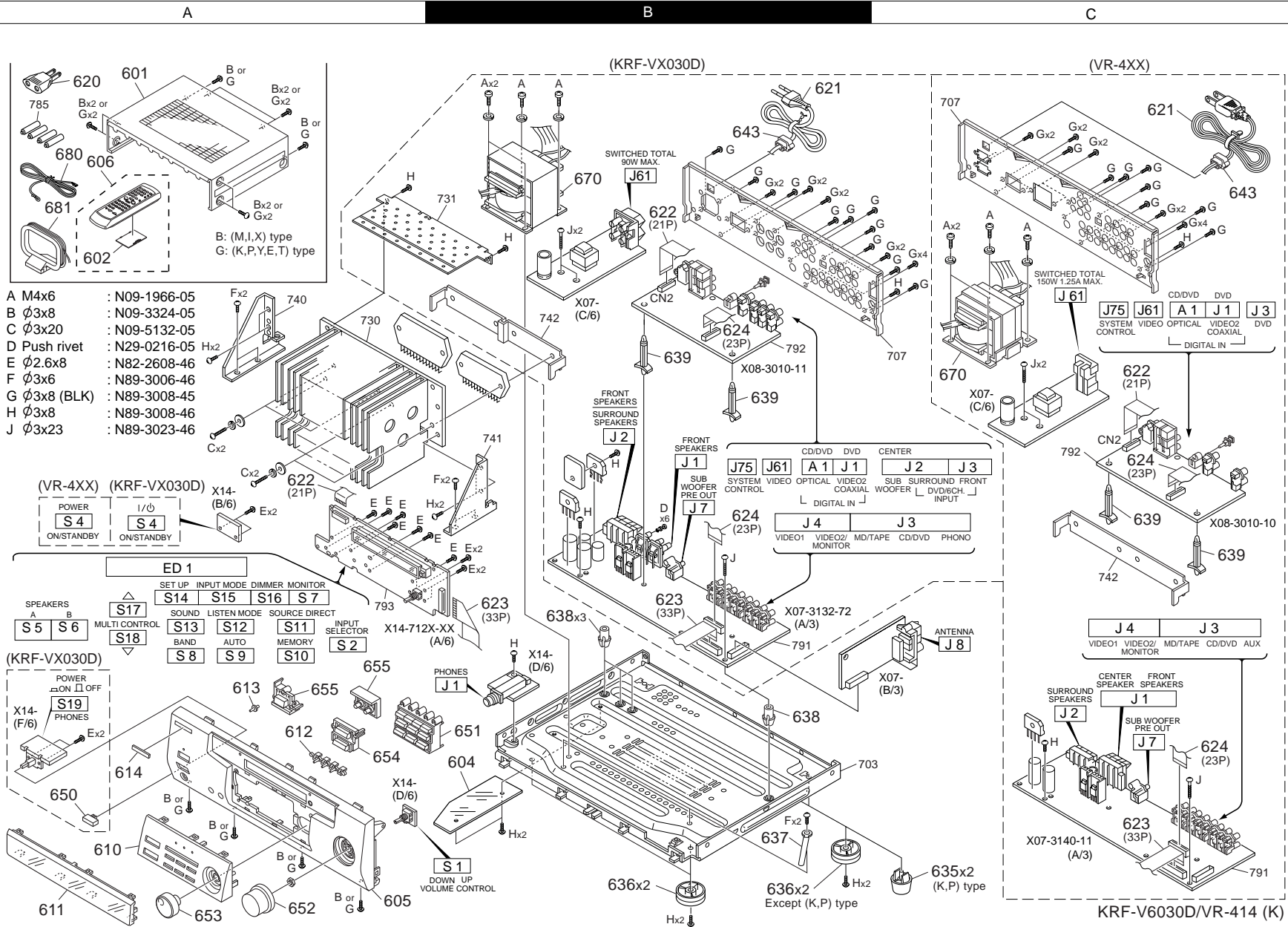
DESTINATION	D13,27-29	D24,30	D28	D35,36	IC3	IC5,6	R11,51,67,68	R30,34	R54,55	R69,70	W33	W36	W505
COUNTRY	ABB.												
PX	Y	NO	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES
U.K.	T												

VR-405/406/414 (4/4)
 KRF-V5030D/V5030D-S/V5030DE (4/4)
 KRF-V4530D (4/4)
 KRF-V6030D/V6030D-S/V6030DE (4/4)

Y05-4050-10

KRF-V4530D/V5030D/V6030D/VR-405/406/414

KENWOOD



EXPLODED VIEW (UNIT)

KRF-V4530D/V5030D/V6030D/VR-405/406/414

* New Parts

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KRF-V6030D/VR-406 (Y05-4020-10)						
601	1A	*	A01-3733-01	METALLIC CABINET	KPE	
601	1A	*	A01-3734-01	METALLIC CABINET	MIX	
602	1A	*	A09-1178-08	BATTERY COVER		
604	2B	*	A46-0309-04	REAR COVER		
605	2A	*	A60-1740-11	PANEL	KP	
605	2A	*	A60-1757-11	PANEL		
605	2A	*	A60-1758-11	PANEL	MIX E	
606	1A	*	A70-1330-05	REMOTE CONTROL(RC-R0609)	KPMIX	
606	1A	*	A70-1331-05	REMOTE CONTROL(RC-R0610)	E	
610	2A	*	B07-2477-02	ESCUTCHEON	KPE	
610	2A	*	B07-2478-02	ESCUTCHEON	MIX	
611	2A	*	B10-3549-02	FRONT GLASS	KP	
611	2A	*	B10-3550-02	FRONT GLASS	MIX	
611	2A	*	B10-3551-02	FRONT GLASS	E	
612	2A	*	B12-0384-04	INDICATOR		
613	2A	*	B12-0385-04	INDICATOR		
614	2A	*	B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	E	
-			B46-0328-03	WARRANTY CARD	K	
-			B46-0346-00	QUESTIONNAIRE CARD	K	
-			B46-0347-03	WARRANTY CARD	P	
-			B58-0964-13	CAUTION CARD (UL)	K	
-			B58-0965-13	CAUTION CARD (PL)	X	
-			B58-0966-13	CAUTION CARD (PL)	MIE6	
-			B58-0967-03	CAUTION CARD (PL)	P	
-			B58-1607-03	CAUTION CARD	E7	
-		*	B60-4598-00	INSTRUCTION MANUAL(EN)	KPMIX	
-		*	B60-4599-00	INSTRUCTION MANUAL(FR)	P	
-		*	B60-4600-00	INSTRUCTION MANUAL(TC)	MI	
-		*	B60-4602-00	INSTRUCTION MANUAL(EN)	E7	
-		*	B60-4603-00	INSTRUCTION MANUAL(ES)	ME6	
-		*	B60-4604-00	INSTRUCTION MANUAL(FR/GE)	E6	
-		*	B60-4605-00	INSTRUCTION MANUAL(IT/NE)	E6	
-		*	B60-4606-00	INSTRUCTION MANUAL(RU/PL)	E7	
-		*	B60-4607-00	INSTRUCTION MANUAL(CZ/HU)	E7	
-		*	B60-4617-00	INSTRUCTION MANUAL(EN(R))	KPMIX	
-		*	B60-4618-00	INSTRUCTION MANUAL(FR(R))	P	
-		*	B60-4619-00	INSTRUCTION MANUAL(ES(R))	M	
-		*	B60-4620-00	INSTRUCTION MANUAL(TC(R))	MI	
-		*	B60-4622-00	INSTRUCTION MANUAL(5-L(R))	E6	
-		*	B60-4623-00	INSTRUCTION MANUAL(5-L(R))	E7	
Δ 620	1A		E03-0115-05	AC PLUG ADAPTER	MI	
Δ 621	1B		E30-2717-05	AC POWER CORD	X	
Δ 621	1B	*	E30-2941-05	AC POWER CORD	KP	
Δ 621	1B	*	E30-2942-05	AC POWER CORD	MIE	
622	1A,1B	*	E35-2455-05	FLAT CABLE (21P)		
623	2B	*	E35-2456-05	FLAT CABLE (33P)		
624	1B,2B	*	E35-2480-05	FLAT CABLE (23P)		
-		*	G10-0536-04	NON-WOVEN FABRIC		
-			G11-2416-04	CUSHION		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East,Hawaii) T : England G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components .

* New Parts

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②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-		*	H10-7628-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7629-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG		
-			H50-3607-04	ITEM CARTON CASE	KP	
-		*	H50-3608-04	ITEM CARTON CASE		
-		*	H50-3609-04	ITEM CARTON CASE	E6	
-		*	H50-3610-04	ITEM CARTON CASE	X	
-		*	H50-3651-04	ITEM CARTON CASE	MI	
-		*	H50-3651-04	ITEM CARTON CASE	E7	
635	2C		J02-1013-05	FOOT		
636	2B	*	J02-1464-03	FOOT	KP	
637	2B		J19-2808-05	HOLDER		
638	2B		J19-3752-14	UNIT HOLDER		
639	1B		J19-5919-05	UNIT HOLDER		
Δ 643	1B		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2A	*	K27-2384-04	KNOB (BUTTON)	E	
650	2A	*	K27-2385-04	KNOB (BUTTON)	MIX	
651	2B	*	K29-7675-12	KNOB	KPE	
651	2B	*	K29-7676-12	KNOB	MIX	
652	2A	*	K29-7678-04	KNOB	KPE	
652	2A	*	K29-7679-04	KNOB		
653	2A	*	K29-7681-14	KNOB	MIX	
653	2A	*	K29-7682-14	KNOB	KPE	
654	2A	*	K29-7684-03	KNOB	MIX	
654	2A	*	K29-7685-03	KNOB	KPE	
655	2A	*	K29-7687-03	KNOB	MIX	
655	2A	*	K29-7688-03	KNOB	KPE	
Δ 670	1B	*	L07-2787-05	POWER TRANSFORMER	KP	
Δ 670	1B	*	L07-2788-05	POWER TRANSFORMER	MI	
Δ 670	1B	*	L07-2789-05	POWER TRANSFORMER	X	
680	1A	*	L07-2790-05	POWER TRANSFORMER	E	
681	1A	*	T90-0836-05	LEAD WIRE ANTENNA		
		*	T90-0852-05	LOOP ANTENNA		
KRF-V5030D/KRF-V4530D/VR-405/VR-414 (Y05-4050-10)						
601	1A	*	A01-3733-01	METALLIC CABINET	E1E2E4	
601	1A	*	A01-3733-01	METALLIC CABINET	KPYT	
601	1A	*	A01-3734-01	METALLIC CABINET	E3	
601	1A	*	A01-3734-01	METALLIC CABINET	MIX	
602	1A	*	A09-1178-08	BATTERY COVER		
604	2B	*	A46-0309-04	REAR COVER		
605	2A	*	A60-1759-01	PANEL	KP	
605	2A	*	A60-1760-11	PANEL	MIXE3	
605	2A	*	A60-1761-11	PANEL	E1E2E4	
605	2A	*	A60-1761-11	PANEL	YT	
606	1A	*	A70-1328-05	REMOTE CONTROL(RC-R0509)	KPYMIX	
606	1A	*	A70-1329-05	REMOTE CONTROL(RC-R0510)	ET	
610	2A	*	B07-2477-02	ESCUTCHEON	E1E2E4	
610	2A	*	B07-2477-02	ESCUTCHEON	KPYT	
610	2A	*	B07-2478-02	ESCUTCHEON	MIXE3	
611	2A	*	B10-3552-02	FRONT GLASS	K5P5	
611	2A	*	B10-3553-02	FRONT GLASS	YMIX	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East,Hawaii) T : England G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components .

PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

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③

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
611	2A	*	B10-3574-02	FRONT GLASS	E1E2E3	
611	2A	*	B10-3574-02	FRONT GLASS	T	
611	2A	*	B10-3575-02	FRONT GLASS	K4P4	
611	2A	*	B10-3605-02	FRONT GLASS	E4	
612	2A	*	B12-0384-04	INDICATOR		
613	2A	*	B12-0385-04	INDICATOR		
614	2A	*	B43-0314-04	KENWOOD BADGE	X	
			B46-0096-53	WARRANTY CARD	ET	
			B46-0310-03	WARRANTY CARD	KY	
			B46-0328-03	WARRANTY CARD		
			B46-0346-00	QUESTIONNAIRE CARD	K	
			B46-0347-03	WARRANTY CARD	P	
			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
			B58-0945-03	CAUTION CARD	T	
			B58-0964-13	CAUTION CARD (UL)	KY	
			B58-0965-13	CAUTION CARD (PL)	XT	
			B58-0966-13	CAUTION CARD (PL)	E1E3E4	
			B58-0966-13	CAUTION CARD (PL)	MI	
		*	B58-0967-03	CAUTION CARD (L)	P	
		*	B58-1607-03	CAUTION CARD	E2	
		*	B59-1104-00	SERVICE DIRECTORY	Y	
		*	B60-4598-00	INSTRUCTION MANUAL(EN)	KPYMIX	
		*	B60-4599-00	INSTRUCTION MANUAL(FR)	P	
		*	B60-4600-00	INSTRUCTION MANUAL(TC)	MI	
		*	B60-4602-00	INSTRUCTION MANUAL(EN)	T1E2	
		*	B60-4603-00	INSTRUCTION MANUAL(ES)	E1E3E4	
		*	B60-4603-00	INSTRUCTION MANUAL(ES)	M	
		*	B60-4604-00	INSTRUCTION MANUAL(FR/GE)	E1E3E4	
		*	B60-4605-00	INSTRUCTION MANUAL(IT/NE)	E1E3E4	
		*	B60-4606-00	INSTRUCTION MANUAL(RU/PL)	E2	
		*	B60-4607-00	INSTRUCTION MANUAL(CZ/HU)	E2	
△ 620	1A	*	E03-0115-05	AC PLUG ADAPTER	MI	
△ 621	1C	*	E30-2605-05	AC POWER CORD	Y	
△ 621	1C	*	E30-2717-05	AC POWER CORD	X	
△ 621	1C	*	E30-2721-05	AC POWER CORD	T	
△ 621	1C	*	E30-2941-05	AC POWER CORD	KP	
△ 621	1C	*	E30-2942-05	AC POWER CORD	MIE	
622	1A,1C	*	E35-2455-05	FLAT CABLE (21P)		
623	2B,2C	*	E35-2456-05	FLAT CABLE (33P)		
624	1C,2C	*	E35-2480-05	FLAT CABLE (23P)		
			G10-0536-04	NON-WOVEN FABRIC		
			G11-2416-04	CUSHION		
		*	H10-7628-02	POLYSTYRENE FOAMED FIXTURE		
		*	H10-7629-02	POLYSTYRENE FOAMED FIXTURE		
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	E	
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMIX	
		*	H25-0391-04	PROTECTION BAG		
		*	H25-0651-04	PROTECTION BAG	T	
		*	H50-3611-04	ITEM CARTON CASE	K5P5	
		*	H50-3612-04	ITEM CARTON CASE	YE1T	
		*	H50-3613-04	ITEM CARTON CASE	XE3	
		*	H50-3614-04	ITEM CARTON CASE	MI	
		*	H50-3615-04	ITEM CARTON CASE	K4P4	

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-		*	H50-3661-04	ITEM CARTON CASE	E2	
-		*	H50-3734-04	ITEM CARTON CASE	E4	
635	2C	*	J02-1013-05	FOOT	KP	
636	2B	*	J02-1464-03	FOOT		
637	2B	*	J19-2808-05	HOLDER		
638	2B	*	J19-3752-14	UNIT HOLDER		
639	2C	*	J19-5919-05	UNIT HOLDER		
△ 643	1C	*	J42-0083-05	POWER CORD BUSHING		
-		*	J61-0307-05	WIRE BAND		
650	2A	*	K27-2384-04	KNOB (BUTTON)	E1E2E4	
650	2A	*	K27-2384-04	KNOB (BUTTON)	YT	
650	2A	*	K27-2385-04	KNOB (BUTTON)	MIXE3	
651	2B	*	K29-7675-12	KNOB	E1E2E4	
651	2B	*	K29-7675-12	KNOB	KPYT	
651	2B	*	K29-7676-12	KNOB	MIXE3	
652	2A	*	K29-7678-04	KNOB	E1E2E4	
652	2A	*	K29-7678-04	KNOB	KPYT	
652	2A	*	K29-7679-04	KNOB	MIXE3	
653	2A	*	K29-7681-14	KNOB	E1E2E4	
653	2A	*	K29-7681-14	KNOB	KPYT	
653	2A	*	K29-7682-14	KNOB	MIXE3	
654	2A	*	K29-7684-03	KNOB	E1E2E4	
654	2A	*	K29-7684-03	KNOB	KPYT	
654	2A	*	K29-7685-03	KNOB	MIXE3	
655	2A	*	K29-7687-03	KNOB	E1E2E4	
655	2A	*	K29-7687-03	KNOB	KPYT	
655	2A	*	K29-7688-03	KNOB	MIXE3	
△ 670	1C	*	L07-2794-05	POWER TRANSFORMER	K5P5	
△ 670	1C	*	L07-2795-05	POWER TRANSFORMER	YMI	
△ 670	1C	*	L07-2796-05	POWER TRANSFORMER	X	
△ 670	1C	*	L07-2797-05	POWER TRANSFORMER	E	
△ 670	1C	*	L07-2800-05	POWER TRANSFORMER	K4P4	
680	1A	*	T90-0836-05	LEAD WIRE ANTENNA		
681	1A	*	T90-0852-05	LOOP ANTENNA		
POWER SUPPLY (X00-3000-20) Y,M,I type only						
CN1			E40-8386-05	PIN ASSY		
△ F3			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
CN2 ,3			J13-0075-05	FUSE CLIP		
△ S1			S62-0001-05	SLIDE SWITCH		
POWER AMP (X07-3130-11, X07-3140-10)						
C1			CK73FB1H223K	CHIP C	0.022UF	K
C2			CK73FB1H103K	CHIP C	0.010UF	K
C3			CK73FB1H103K	CHIP C	0.010UF	K
C4			CC73FCH1H331J	CHIP C	330PF	J
C5 ,6			CK73FB1H103K	CHIP C	0.010UF	K
C7			CE04LW1C470M	ELECTRO	47UF	16WV
C8			CK73EB1H103K	CHIP C	0.010UF	K
C9			CC73FCH1H102J	CHIP C	1000PF	J
C10			CE04LW1C470M	ELECTRO	47UF	16WV
C11 ,12			CK73FB1H473K	CHIP C	0.047UF	K

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C14			CE04LW1C100M	ELECTRO 10UF 16WV		
C15			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C16			CE04RW1HR47M	ELECTRO 0.47UF 50WV		
C17			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C18			CC73FCH1H470J	CHIP C 47PF J		
C19			CE04RW1A100M	ELECTRO 10UF 10WV		
C20			CK73FB1H473K	CHIP C 0.047UF K		
C21			CE04RW1V3R3M	ELECTRO 3.3UF 35WV		
C22			CK73FB1H473K	CHIP C 0.047UF K		
C23			CE04LW1C100M	ELECTRO 10UF 16WV		
C24			CK73FB1H331K	CHIP C 330PF K		
C25			CC73FCH1H181J	CHIP C 180PF J	ET	
C25			CC73FCH1H471J	CHIP C 470PF J	KPYMIX	
C26			CK73FB1H183K	CHIP C 0.018UF K	ET	
C26			CK73FB1H223K	CHIP C 0.022UF K	KPYMIX	
C27			CE04HW1E4R7M	NP-ELEC 4.7UF 25WV		
C28 ,29			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C30 ,31			CK73FB1H223K	CHIP C 0.022UF K	YMIXET	
C30 ,31			CK73FB1H333K	CHIP C 0.033UF K	KP	
C32			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C33 ,34			CK73FB1H103K	CHIP C 0.010UF K	YMI	
C35			CK73FB1H332K	CHIP C 3300PF K	KPYMIX	
C36			CK73FB1H103K	CHIP C 0.010UF K		
C37 ,38			CE04LW1C100M	ELECTRO 10UF 16WV		
C41			CC73FCH1H470J	CHIP C 47PF J		
C42			CC73FCH1H120J	CHIP C 12PF J		
C43			CC73FCH1H100D	CHIP C 10PF D		
C44			CK73FB1H471K	CHIP C 470PF K		
C45			CC73FCH1H220J	CHIP C 22PF J		
C46			CE04LW1C100M	ELECTRO 10UF 16WV		
C47			CK73FB1H102K	CHIP C 1000PF K		
C48			CE04LW1C470M	ELECTRO 47UF 16WV		
C49			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C50			CC73FCH1H101J	CHIP C 100PF J		
C51			CK73FB1H471K	CHIP C 470PF K		
C52			CC73FCH1H101J	CHIP C 100PF J		
C70 ,71			CK73FB1H682K	CHIP C 6800PF K	ET	
C72			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C73			CE04LW1C470M	ELECTRO 47UF 16WV		
C74			CK73FB1H102K	CHIP C 1000PF K	KP	
C75			CC73FCH1H030C	CHIP C 3.0PF C		
C76			CC73FCH1H470J	CHIP C 47PF J		
C77			CC73FCH1H101J	CHIP C 100PF J	YMI	
C78			CK73FB1H223K	CHIP C 0.022UF K		
C79 ,80			CK73FB1H472K	CHIP C 4700PF K	ET	
C81			CK73FF1C105Z	CHIP C 1.0UF Z		
C82			CK73FB1H103K	CHIP C 0.010UF K	KPET	
C83			CC73FCH1H101J	CHIP C 100PF J		
C84 ,85			CK73FB1H223K	CHIP C 0.022UF K		
C86			CK73FB1H471K	CHIP C 470PF K		
C88			CK73FB1H332K	CHIP C 3300PF K		
C89 ,90			CK73FB1H472K	CHIP C 4700PF K	KPYMIX	
C91			CK73FF1C105Z	CHIP C 1.0UF Z		
C101,102			CC73FCH1H221J	CHIP C 220PF J	KP	45
C101,102			CC73FCH1H390J	CHIP C 39PF J		6

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C101,102			CC73FCH1H390J	CHIP C 39PF J	ETXMIY	5
C103,104		*	CE04RW1V100M	ELECTRO 10UF 35WV		6
C103,104		*	CE04RW1V100M	ELECTRO 10UF 35WV	ETXMIY	5
C105,106			CC73FCH1H221J	CHIP C 220PF J		6
C105,106			CC73FCH1H221J	CHIP C 220PF J	ETMXIY	5
C107,108			CE04RW0J470M	ELECTRO 47UF 6.3WV		6
C107,108			CE04RW0J470M	ELECTRO 47UF 6.3WV	ETMXIY	5
C109,110			CC73FCH1H471J	CHIP C 470PF J		6
C109,110			CC73FCH1H471J	CHIP C 470PF J	ETXMIY	5
C111,112			CQ93FMG1H123J	MYLAR 0.012UF J		6
C111,112			CQ93FMG1H123J	MYLAR 0.012UF J	ETMXIY	5
C113,114			CK45FB1H332K	CERAMIC 3300PF K		6
C113,114			CK45FB1H332K	CERAMIC 3300PF K	ETMXIY	5
C115,116			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		6
C115,116			CE04LW1V4R7M	ELECTRO 4.7UF 35WV	ETMXIY	5
C117,118			CC45FCH1H101J	CERAMIC 100PF J		6
C117,118			CC45FCH1H101J	CERAMIC 100PF J	ETMXIY	5
C119-132			CC73FCH1H221J	CHIP C 220PF J		
C137,138			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C139,140			CC73FCH1H101J	CHIP C 100PF J		
C141,142			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C143,144			CC73FCH1H101J	CHIP C 100PF J		
C145,146			CE04LW1C220M	ELECTRO 22UF 16WV		
C147,148			CC73FCH1H471J	CHIP C 470PF J		
C149,150			CE04LW1E470M	ELECTRO 47UF 25WV		
C151,152			CC73FCH1H100D	CHIP C 10PF D		
C153,154			CE04KW1H100M	ELECTRO 10UF 50WV		
C155,156			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C157,158			CC73FCH1H102J	CHIP C 1000PF J		
C159,160			CK73FB1H222K	CHIP C 2200PF K		
C161,162			CC73FCH1H220J	CHIP C 22PF J		
C163,164			CC73FCH1H102J	CHIP C 1000PF J		
C165,166			CE04KW1A101M	ELECTRO 100UF 10WV		
C167-170			CK73FF1E104Z	CHIP C 0.10UF Z		
C171,172			CQ93FMG1H472J	MYLAR 4700PF J		
C175,176			CC73FCH1H471J	CHIP C 470PF J		
C177,178			CE04LW1E470M	ELECTRO 47UF 25WV		
C179,180			CC73FCH1H100D	CHIP C 10PF D		
C181,182			CE04KW1H100M	ELECTRO 10UF 50WV		
C183,184			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C185,186			CC73FCH1H102J	CHIP C 1000PF J		
C187,188			CK73FB1H222K	CHIP C 2200PF K		
C189,190			CC45FCH1H220J	CERAMIC 22PF J		
C191,192			CC73FCH1H102J	CHIP C 1000PF J		
C193,194			CE04KW1A101M	ELECTRO 100UF 10WV		
C195-198			CK73FF1E104Z	CHIP C 0.10UF Z		
C199			CQ93FMG1H472J	MYLAR 4700PF J		6
C200,201			CQ93FMG1H472J	MYLAR 4700PF J		
C202			CQ93FMG1H472J	MYLAR 4700PF J		6
C205			CC73FCH1H471J	CHIP C 470PF J		
C206			CE04LW1E470M	ELECTRO 47UF 25WV		
C207			CC73FCH1H100D	CHIP C 10PF D		
C208			CE04KW1H100M	ELECTRO 10UF 50WV		
C209			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C210			CC73FCH1H102J	CHIP C 1000PF J		

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C211 C212 C213 C214 C215,216			CK73FB1H222K CC45FCH1H220J CC73FCH1H102J CE04KW1A101M CK73FF1E104Z	CHIP C 2200PF CERAMIC 22PF CHIP C 1000PF ELECTRO 100UF 10WV CHIP C 0.10UF Z	K J J 10WV Z	
C217 C220 C221 C222 C223			CQ93FMG1H472J CC73FCH1H471J CE04LW1A101M CC73FCH1H101J CE04LW1H100M	MYLAR 4700PF CHIP C 470PF ELECTRO 100UF 10WV CHIP C 100PF ELECTRO 10UF 50WV	J J 10WV J 50WV	
C224 C225,226 C231,232 C231,232 C231,232		*	CC73FCH1H221J CK45FF1H103Z C90-3916-05 C90-3916-05 C90-3918-05	CHIP C 220PF CERAMIC 0.010UF ELECTRO 4700UF 75WV ELECTRO 4700UF 75WV ELECTRO 4700UF 63WV	J Z 75WV 75WV 63WV	56
C231,232 C233,234 C233,234 C233,234 C235		*	C90-3918-05 C90-3917-05 C90-3917-05 C90-3919-05 CE04KW1E222M	ELECTRO 4700UF 63WV ELECTRO 3300UF 42WV ELECTRO 3300UF 42WV ELECTRO 3300UF 35WV ELECTRO 2200UF 25WV	KP KP MIXY ET	4 56
C236 C237,238 C239 C240 C241			CE04KW1E471M CE04LW1C101M CE04LW1H220M CE04LW1V470M CC45FCH1H101J	ELECTRO 470UF 25WV ELECTRO 100UF 16WV ELECTRO 22UF 50WV ELECTRO 47UF 35WV CERAMIC 100PF J	25WV 16WV 50WV 35WV J	5 6
C241 C242 C242 C245 C246			CC45FCH1H101J CK45FF1H103Z CK45FF1H103Z CC73FCH1H221J CK45FF1H103Z	CERAMIC 100PF CERAMIC 0.010UF CERAMIC 0.010UF CHIP C 220PF CERAMIC 0.010UF	J Z Z J Z	ETMXIY ETMXIY 5
C248 C250 C251,252 C253,254 C255,256			CC73FCH1H221J CC73FCH1H102J CE04KW2A100M CE04KW2A101M CE04DW1J101M	CHIP C 220PF CHIP C 1000PF ELECTRO 10UF 100WV ELECTRO 100UF 100WV ELECTRO 100UF 63WV	J J 100WV 100WV 63WV	6
C255,256 C255,256 C259 C260 C261			CE04DW1J101M CE04DW1J101M CE04LW1A101M CE04LW0J221M CE04LW1V4R7M	ELECTRO 100UF 63WV ELECTRO 100UF 63WV ELECTRO 100UF 10WV ELECTRO 220UF 6.3WV ELECTRO 4.7UF 35WV	63WV 63WV 10WV 6.3WV 35WV	5 5
C262 C263 C264 C269 C415			CE04LW0J221M CE04LW1V4R7M CE04LW1H010M CK45FE2H103P CE04LW1H010M	ELECTRO 220UF 6.3WV ELECTRO 4.7UF 35WV ELECTRO 1.0UF 50WV CERAMIC 0.010UF P ELECTRO 1.0UF 50WV	6.3WV 35WV 50WV P 50WV	4
C416,417 C601 C602 C603 C604			CE04HW1E100M CE04LW1E332M CE04LW1H100M CK45FF1H103Z CE04LW1H100M	NP-ELEC 10UF ELECTRO 3300UF ELECTRO 10UF CERAMIC 0.010UF ELECTRO 10UF	25WV 25WV 50WV Z 50WV	
C605 C606 C606			CE04LW0J222M CK73FB1E104K CK73FB1H683K	ELECTRO 2200UF CHIP C 0.10UF CHIP C 0.068UF	6.3WV K K	YMI KPETX MIY
CN1			E40-8364-05	PIN ASSY		

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CN2 CN3 CN4 CN5 CN6		*	E40-8197-05 E40-8485-05 E40-4871-05 E40-9831-05 E40-9848-05	SOCKET FOR PIN ASSY FLAT CABLE CONNECTOR PIN ASSY SOCKET FOR PIN ASSY PIN ASSY	KPET	
CN7 CN61 CN62 CN63 CN64		*	E40-8490-05 E40-4245-05 E40-4245-05 E40-4428-05 E40-4245-05	FLAT CABLE CONNECTOR PIN ASSY PIN ASSY PIN ASSY PIN ASSY	KPETX YMI YMISET	
CN65 J1 J1 J2 J2		*	E40-8196-05 E70-0049-05 E70-0122-05 E70-0057-05 E70-0065-05	PIN ASSY SCREW TERMINAL BOARD LOCK TERMINAL BOARD LOCK TERMINAL BOARD LOCK TERMINAL BOARD		6 45 6 45
J3 ,4 J7 J8 J8 J61		*	E63-1143-05 E63-1146-05 E20-0321-05 E70-0052-05 E03-0148-05	PIN JACK PIN JACK LOCK TERMINAL BOARD(2P,F) LOCK TERMINAL BOARD AC OUTLET	KPY	
Δ J61 Δ J61 Δ J61 W182			E03-0149-05 E03-0310-05 E03-0325-05 E31-0001-00	AC OUTLET AC OUTLET AC OUTLET JUMPER WIRE	MIE T X	56
Δ F1 Δ F1 Δ F1 Δ F1 Δ F1			F05-2525-05 F05-3121-05 F05-3121-05 F50-0076-05 F50-0077-05	FUSE (SEMKO) (250V T2.5AL) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T3.15AL) FUSE(5X20) FUSE(5X20)	YMXI ET MIX KP KP	5 6 4 56
Δ F2			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	E	
CN66,67 CN68,69			J13-0075-05 J13-0075-05	FUSE CLIP FUSE CLIP	E	
CF1 ,2 CF1 ,2 CF1 ,2 CF3 L1		*	L72-0531-05 L72-0536-05 L72-0596-05 L72-0607-05 L39-1384-05	CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER COMBINATION COIL	YMXI ET KP YMXI	
L2 L3 L4 L4 L5			L40-1091-82 L30-0911-05 L30-0933-05 L30-0950-05 L30-0951-05	SMALL FIXED INDUCTOR(1.0UH) AM IFT FM IFT FM IFT FM IFT	KP ET ET	
L6 ,7 L101-105 T1 T1 T1		*	L79-1236-05 L39-1373-05 L07-2758-05 L07-2761-05 L07-2805-05	LC FILTER PHASE COMPENSATION COIL POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	ET KPxET KPxET YMI	
X1			L77-2232-05	CRYSTAL RESONATOR		
R1 R4 R5 R6 R7			RK73FB2A101J RK73FB2A681J RK73FB2A332J RK73FB2A221J RK73FB2A821J	CHIP R 100 J 1/10W CHIP R 680 J 1/10W CHIP R 3.3K J 1/10W CHIP R 220 J 1/10W CHIP R 820 J 1/10W		

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R8			RK73FB2A100J	CHIP R 10 J 1/10W	ET	
R8			RK73FB2A330J	CHIP R 33 J 1/10W	KPYMIX	
R9			RK73FB2A391J	CHIP R 390 J 1/10W		
R10			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R11			RK73FB2A220J	CHIP R 22 J 1/10W	ET	
R11			RK73FB2A330J	CHIP R 33 J 1/10W	KPYMIX	
R12			RK73FB2A101J	CHIP R 100 J 1/10W		
R14			RK73FB2A101J	CHIP R 100 J 1/10W	KPET	
R14			RK73FB2A271J	CHIP R 270 J 1/10W	MIXY	
R15			RK73FB2A333J	CHIP R 33K J 1/10W	ET	
R15			RK73FB2A472J	CHIP R 4.7K J 1/10W	KP	
R16			RK73FB2A220J	CHIP R 22 J 1/10W		
R17			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R18			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R19			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R20			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R23			RK73FB2A153J	CHIP R 15K J 1/10W	ET	
R23			RK73FB2A332J	CHIP R 3.3K J 1/10W	YMIX	
R23			RK73FB2A912J	CHIP R 9.1K J 1/10W	KP	
R25			RK73FB2A163J	CHIP R 16K J 1/10W	KP	
R25			RK73FB2A183J	CHIP R 18K J 1/10W	YMIX	
R25			RK73FB2A273J	CHIP R 27K J 1/10W	ET	
R27 ,28			RK73FB2A432J	CHIP R 4.3K J 1/10W	ET	
R27 ,28			RK73FB2A682J	CHIP R 6.8K J 1/10W	KP	
R27 ,28			RK73FB2A752J	CHIP R 7.5K J 1/10W	YMIX	
R29			RK73FB2A101J	CHIP R 100 J 1/10W	YMI	
R30			RK73FB2A561J	CHIP R 560 J 1/10W	YMI	
R31			RK73FB2A473J	CHIP R 47K J 1/10W	YMI	
R32			RK73FB2A272J	CHIP R 2.7K J 1/10W	KPYMIX	
R33 ,34			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R35			RK73FB2A101J	CHIP R 100 J 1/10W	ET	
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W	ET	
R37			RK73FB2A392J	CHIP R 3.9K J 1/10W	ET	
R38			RK73FB2A102J	CHIP R 1.0K J 1/10W	ET	
R39			RK73FB2A103J	CHIP R 10K J 1/10W	ET	
R42			RK73FB2A103J	CHIP R 10K J 1/10W		
R43			RK73FB2A221J	CHIP R 220 J 1/10W		
R44			RD14NB2E271J	RD 270 J 1/4W		
R45			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R46			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R47			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R49			RK73FB2A103J	CHIP R 10K J 1/10W		
R50			RD14NB2E471J	RD 470 J 1/4W		
R51			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R52			RK73FB2A101J	CHIP R 100 J 1/10W		
R53			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R54			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R55			RK73FB2A333J	CHIP R 33K J 1/10W		
R56 ,57			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R58			RK73FB2A123J	CHIP R 12K J 1/10W		
R59			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R72 ,73			RK73FB2A153J	CHIP R 15K J 1/10W	KP	
R72 ,73			RK73FB2A392J	CHIP R 3.9K J 1/10W	ET	
R72 ,73			RK73FB2A822J	CHIP R 8.2K J 1/10W	YMIX	

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PARTS LIST

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R74			RK73FB2A473J	CHIP R 47K J 1/10W		
R75			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R76			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R78			RK73FB2A821J	CHIP R 820 J 1/10W		
R79			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R80			RK73FB2A223J	CHIP R 22K J 1/10W	ET	
R81			RS14KB3A820J	FL-PROOF RS 82 J 1W		
R82			RK73FB2A272J	CHIP R 2.7K J 1/10W	ET	
R83			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R84			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R85 -87			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R88			RK73FB2A563J	CHIP R 56K J 1/10W		
R89			RK73FB2A333J	CHIP R 33K J 1/10W		
R101,102			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R101,102			RK73FB2A102J	CHIP R 1.0K J 1/10W	ETMXYI	6 5
R103,104			RK73FB2A273J	CHIP R 27K J 1/10W		
R103,104			RK73FB2A273J	CHIP R 27K J 1/10W	ETMXYI	6 5
R105,106			RK73FB2A101J	CHIP R 100 J 1/10W		
R105,106			RK73FB2A101J	CHIP R 100 J 1/10W	ETMXYI	6 5
R115,116			RD14BB2C102J	RD 1.0K J 1/6W	KP	45
R117,118			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R119,120			RK73FB2A224J	CHIP R 220K J 1/10W		
R121,122			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R123,124			RK73FB2A224J	CHIP R 220K J 1/10W		
R125,126			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R127,128			RK73FB2A224J	CHIP R 220K J 1/10W		
R129,130			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R131,132			RK73FB2A224J	CHIP R 220K J 1/10W		
R133,134			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R135,136			RK73FB2A224J	CHIP R 220K J 1/10W		
R137,138			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R139,140			RK73FB2A224J	CHIP R 220K J 1/10W		
R141,142			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R143,144			RK73FB2A224J	CHIP R 220K J 1/10W		
R153-156			RK73FB2A224J	CHIP R 220K J 1/10W		
R159			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R161,162			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R163,164			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R165,166			RK73FB2A183J	CHIP R 18K J 1/10W		
R167,168			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R169,170			RK73FB2A224J	CHIP R 220K J 1/10W		
R171,172			RK73FB2A183J	CHIP R 18K J 1/10W		
R173,174			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R175,176			RK73FB2A104J	CHIP R 100K J 1/10W		
R177,178			RK73FB2A563J	CHIP R 56K J 1/10W		
R179			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R180			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R181-184			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R185,186			RK73FB2A563J	CHIP R 56K J 1/10W		
R187,188			RK73FB2A182J	CHIP R 1.8K J 1/10W	KPMXI	6
R187,188			RK73FB2A222J	CHIP R 2.2K J 1/10W	KPMXYI	5
R187,188			RK73FB2A242J	CHIP R 2.4K J 1/10W	E	6
R187,188			RK73FB2A272J	CHIP R 2.7K J 1/10W	ET	5
R187,188			RK73FB2A272J	CHIP R 2.7K J 1/10W	KP	4
R189,190			RS14KB3D120J	FL-PROOF RS 12 J 2W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R191,192 R199,200 R201,202 R203,204 R203,204			RS14KB3D391J RK73FB2A333J RK73FB2A303J RK73FB2A113J RK73FB2A113J	FL-PROOF RS 390 CHIP R 33K CHIP R 30K CHIP R 11K CHIP R 11K	J 2W J 1/10W J 1/10W J 1/10W J 1/10W	ETMIXY KP 5 5
R203,204 R203,204 R205,206 R209,210 R211,212			RK73FB2A153J RK73FB2A912J RK73FB2A471J RK73FB2A102J RK73FB2A273J	CHIP R 15K CHIP R 9.1K CHIP R 470 CHIP R 1.0K CHIP R 27K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	KP 4 6
R213,214 R215,216 R217,218 R219,220 R221,222			RK73FB2A182J RK73FB2A224J RK73FB2A183J RK73EB2B222J RK73FB2A104J	CHIP R 1.8K CHIP R 220K CHIP R 18K CHIP R 2.2K CHIP R 100K	J 1/10W J 1/10W J 1/10W J 1/8W J 1/10W	
R223,224 R225 R227-230 R233,234 R233,234			RK73FB2A563J RK73FB2A102J RS14KB3DR22J RK73FB2A182J RK73FB2A222J	CHIP R 56K CHIP R 1.0K FL-PROOF RS 0.22 CHIP R 1.8K CHIP R 2.2K	J 1/10W J 1/10W J 2W J 1/10W J 1/10W	KPMXI KPMXIY 6 5
R233,234 R233,234 R233,234 R235,236 R243,244			RK73FB2A242J RK73FB2A272J RK73FB2A272J RS14KB3D120J RK73FB2A333J	CHIP R 2.4K CHIP R 2.7K CHIP R 2.7K FL-PROOF RS 12 CHIP R 33K	J 1/10W J 1/10W J 1/10W J 2W J 1/10W	E ET KP 6 5 4
R245,246 R247,248 R247,248 R247,248 R247,248			RK73FB2A303J RK73FB2A113J RK73FB2A113J RK73FB2A153J RK73FB2A912J	CHIP R 30K CHIP R 11K CHIP R 11K CHIP R 15K CHIP R 9.1K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	ETMXIY KP KP 5 5 4 6
R249,250 R251 R252 R253 R254			RK73FB2A471J RK73FB2A183J RK73FB2A182J RK73FB2A224J RK73FB2A183J	CHIP R 470 CHIP R 18K CHIP R 1.8K CHIP R 220K CHIP R 18K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	
R256 R257 R259,260 R262 R262			RK73FB2A104J RK73FB2A563J RS14KB3DR22J RK73FB2A182J RK73FB2A222J	CHIP R 100K CHIP R 56K FL-PROOF RS 0.22 CHIP R 1.8K CHIP R 2.2K	J 1/10W J 1/10W J 2W J 1/10W J 1/10W	KPMXI KPMXIY 6 5
R262 R262 R262 R263 R267			RK73FB2A242J RK73FB2A272J RK73FB2A272J RS14KB3D120J RK73FB2A303J	CHIP R 2.4K CHIP R 2.7K CHIP R 2.7K FL-PROOF RS 12 CHIP R 30K	J 1/10W J 1/10W J 1/10W J 2W J 1/10W	E ET KP 6 5 4
R268 R268 R268 R268 R269			RK73FB2A113J RK73FB2A113J RK73FB2A153J RK73FB2A912J RK73FB2A471J	CHIP R 11K CHIP R 11K CHIP R 15K CHIP R 9.1K CHIP R 470	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	ETMXIY KP KP 5 5 4 6
R270 R271 R272 R273 R274			RK73FB2A333J RK73FB2A183J RK73FB2A241J RK73FB2A332J RK73FB2A183J	CHIP R 33K CHIP R 18K CHIP R 240 CHIP R 3.3K CHIP R 18K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R276 R277 R278 R279,280 R279,280			RK73FB2A224J RK73FB2A331J RK73FB2A102J R92-1955-05 R92-1956-05	CHIP R 220K CHIP R 330 CHIP R 1.0K METAL GLAZE 10K METAL GLAZE 33K	J 1/10W J 1/10W J 1/10W J 1/4W J 1/4W	KP 4 6
R279,280 R279,280 R281 R283 R283			R92-1956-05 R92-1956-05 R92-1945-05 RK73FB2A1R0J RK73FB2A1R0J	METAL GLAZE 33K METAL GLAZE 33K METAL GLAZE 1 CHIP R 1 CHIP R 1	J 1/4W J 1/4W J 1/4W J 1/10W J 1/10W	ETMXIY KP ETMXIY 6 5
R283 R284 R285 R287 R301,302			RK73FB2A1R0J RK73FB2A104J R92-1945-05 RK73EB2B101J RK73FB2A513J	CHIP R 1 CHIP R 100K METAL GLAZE 1 CHIP R 100 CHIP R 51K	J 1/10W J 1/10W J 1/4W J 1/8W J 1/10W	KP KP 6 5
R303-306 R303-306 R303-306 R307 R307			RS14KB3A392J RS14KB3A392J RS14KB3A392J RK73EB2B273J RK73EB2B273J	FL-PROOF RS 3.9K FL-PROOF RS 3.9K FL-PROOF RS 3.9K CHIP R 27K CHIP R 27K	J 1W J 1W J 1W J 1/8W J 1/8W	ETMXIY KP ETMXIY 6 5
R307 R308 R308 R308 R309,310			RK73EB2B273J RK73FB2A273J RK73FB2A273J RK73FB2A273J RK73FB2A1R0J	CHIP R 27K CHIP R 27K CHIP R 27K CHIP R 27K CHIP R 1	J 1/8W J 1/10W J 1/10W J 1/10W J 1/10W	KP 5 5 5 6
R309,310 R309,310 R312 R313,314 R315			RK73FB2A1R0J RK73FB2A1R0J RD14NB2E103J RK73FB2A473J RK73FB2A1R0J	CHIP R 1 CHIP R 1 RD 10K CHIP R 47K CHIP R 1	J 1/10W J 1/10W J 1/4W J 1/10W J 1/10W	ETMXIY KP 45 5 5
R316 R317 R320 R322 R323			RD14NB2E101J RD14BB2C752J RK73FB2A103J RD14BB2C103J RK73FB2A393J	RD 100 RD 7.5K CHIP R 10K RD 10K CHIP R 39K	J 1/4W J 1/6W J 1/10W J 1/6W J 1/10W	45 5 4 6 5
R324,325 R324,325 R324,325 R324,325 R326-328			RK73FB2A104J RK73FB2A204J RK73FB2A753J RK73FB2A753J RK73FB2A473J	CHIP R 100K CHIP R 200K CHIP R 75K CHIP R 75K CHIP R 47K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	ET KP KPMXIY 5 4 6 5
R329 R330 R331 R332 R333			RK73FB2A123J RK73FB2A153J RK73FB2A332J RK73FB2A682J RK73FB2A223J	CHIP R 12K CHIP R 15K CHIP R 3.3K CHIP R 6.8K CHIP R 22K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	
R334 R335 R336 R337 R339,340			RK73FB2A123J RK73FB2A153J RK73FB2A332J RK73FB2A682J RK73FB2A472J	CHIP R 12K CHIP R 15K CHIP R 3.3K CHIP R 6.8K CHIP R 4.7K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	
R341 R342-344 R347 R349 R350			R92-1945-05 RS14KB3A151J RS14KB3D4R7J RS14KB3A4R7J RK73FB2A1R0J	METAL GLAZE 1 FL-PROOF RS 150 FL-PROOF RS 4.7 FL-PROOF RS 4.7 CHIP R 1	J 1/4W J 1W J 2W J 1W J 1/10W	6
R350			RK73FB2A1R0J	CHIP R 1	J 1/10W	ETMXIY 5

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KRF-V4530D/V5030D/V6030D/VR-405/406/414

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Δ R350			RK73FB2A1R0J	CHIP R 1 J 1/10W	KP	5
R351			RK73FB2A103J	CHIP R 10K J 1/10W		
R352			RK73FB2A223J	CHIP R 22K J 1/10W		
R353			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R356-358			RK73FB2A103J	CHIP R 10K J 1/10W		
R360			RK73FB2A103J	CHIP R 10K J 1/10W		
R361,362			RK73FB2A473J	CHIP R 47K J 1/10W		
R363			RK73FB2A361J	CHIP R 360 J 1/10W		
R370			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R371			RK73FB2A563J	CHIP R 56K J 1/10W		
R372			RK73FB2A104J	CHIP R 100K J 1/10W		
R373			RK73FB2A361J	CHIP R 360 J 1/10W		
R375			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R377,378			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R384			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R387,388			RK73FB2A473J	CHIP R 47K J 1/10W		
R389			RK73FB2A473J	CHIP R 4.7K J 1/10W		
R390			RK73FB2A473J	CHIP R 47K J 1/10W		
R391-394			RK73FB2A470J	CHIP R 47 J 1/10W		
Δ R397-399			RD14NB2E1R0J	RD 1 J 1/4W		
Δ R601			RD14NB2E1R0J	RD 1 J 1/4W	KP	
R604			RD14NB2E100J	RD 10 J 1/4W	XET	
R604			RD14NB2E390J	RD 39 J 1/4W	ET	
R609			RD14NB2E151J	RD 150 J 1/4W	X	
R609			RD14NB2E181J	RD 180 J 1/4W		
R609			RD14NB2E2R2J	RD 2.2 J 1/4W	YMI	
R609			RD14NB2E270J	RD 27 J 1/4W	KP	
Δ R610			R92-1844-05	CARBON 3.3M J 1/2W	KP	
VR1			R32-0037-05	SEMI FIXED VARIABLE RESISTOR		
W108			R92-0670-05	CHIP R 0 OHM		
W262			R92-0670-05	CHIP R 0 OHM		
W301			R92-0679-05	CHIP R 0 OHM		
W302			R92-0670-05	CHIP R 0 OHM		
W303-306			R92-0679-05	CHIP R 0 OHM		
W307			R92-0670-05	CHIP R 0 OHM		
W308			R92-0679-05	CHIP R 0 OHM		
W309-311			R92-0670-05	CHIP R 0 OHM		
W312			R92-0679-05	CHIP R 0 OHM		
W313			R92-0670-05	CHIP R 0 OHM		
W315-318			R92-0679-05	CHIP R 0 OHM		
W319,320			R92-0670-05	CHIP R 0 OHM		
W321			R92-0679-05	CHIP R 0 OHM		
W322,323			R92-0670-05	CHIP R 0 OHM		
W324-333			R92-0679-05	CHIP R 0 OHM		
W334,335			R92-0670-05	CHIP R 0 OHM	KP	45
W336			R92-0679-05	CHIP R 0 OHM		
W337,338			R92-0670-05	CHIP R 0 OHM	KP	45
W338,339			R92-0670-05	CHIP R 0 OHM		6
W338,339			R92-0670-05	CHIP R 0 OHM	XYEMTI	5
W340,341			R92-0679-05	CHIP R 0 OHM		
W342,343			R92-0670-05	CHIP R 0 OHM		
W506			R92-0679-05	CHIP R 0 OHM		
W513,514			R92-0679-05	CHIP R 0 OHM		
W523			R92-0679-05	CHIP R 0 OHM		
W651-655			R92-0670-05	CHIP R 0 OHM		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
W656			R92-0670-05	CHIP R 0 OHM	YMI	6
W659			R92-0670-05	CHIP R 0 OHM		
W660			R92-0670-05	CHIP R 0 OHM	ET	
W662			R92-0670-05	CHIP R 0 OHM		
W680			R92-0679-05	CHIP R 0 OHM		
W683			R92-0679-05	CHIP R 0 OHM	IX	6
W683			R92-0679-05	CHIP R 0 OHM	KP	5
W683			R92-0679-05	CHIP R 0 OHM	KP	4
W683			R92-0679-05	CHIP R 0 OHM	KPM	6
W683			R92-0679-05	CHIP R 0 OHM	MIX	5
W684,685			R92-0679-05	CHIP R 0 OHM		
K1 ,2			S76-0042-05	MAGNETIC RELAY		
K3			S76-0042-05	MAGNETIC RELAY		6
Δ K601			S76-0042-05	MAGNETIC RELAY		
Δ K601			S76-0099-05	MAGNETIC RELAY	KP	5
Δ K601			S76-0099-05	MAGNETIC RELAY		6
Δ K601		*	S76-0107-05	MAGNETIC RELAY	EMXI	5
S1			S62-0034-05	SLIDE SWITCH	YMI	
D1			UDZ3.3B	ZENER DIODE		
Δ D101			D5SBA20F03	DIODE		
Δ D102			S1Z2B0(4101)	DIODE	KP	56
Δ D103			D5SBA20F03	DIODE	XY	
Δ D103			D5SBA20F03	DIODE		
Δ D103			RBV-602LFA	DIODE	ETMI	
D104			HZS16N(B2)	ZENER DIODE		
D104			MTZJ16(B)	ZENER DIODE		
D105			HZS15N(B2)	ZENER DIODE		
D105			MTZJ15(B)	ZENER DIODE		
D106,107			MA111	DIODE		
D108			UDZ3.3B	ZENER DIODE	KP	
D108			UDZ5.6B	ZENER DIODE	ET	5
D108			UDZ6.2B	ZENER DIODE	E	6
D108			UDZ6.8B	ZENER DIODE	KPMXIY	5
D108			UDZ8.2B	ZENER DIODE		6
D109			UDZ10B	ZENER DIODE	KPMXI	6
D109			UDZ11B	ZENER DIODE	ET	5
D109			UDZ13B	ZENER DIODE	KP	4
D109			UDZ13B	ZENER DIODE	MI	5
D109			UDZ15B	ZENER DIODE		6
D109			UDZ16B	ZENER DIODE	KPMXIY	5
D110			UDZ10B	ZENER DIODE	ET	5
D110			UDZ13B	ZENER DIODE	E	6
D110			UDZ13B	ZENER DIODE	KP	4
D110			UDZ13B	ZENER DIODE		
D110			UDZ16B	ZENER DIODE	KPMXIY	5
D111-115			MA111	DIODE	KPMXI	6
D117-120			UDZ15B	ZENER DIODE		6
D117-120			UDZ15B	ZENER DIODE	ETMXIY	5
D117-120			UDZ15B	ZENER DIODE		
D121			UDZ15B	ZENER DIODE		
D122			MA111	DIODE	KP	5
D123			UDZ3.9B	ZENER DIODE		
D123			HSS104A	DIODE		
D123			1SS133	DIODE		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D124 D125,126 D125,126 D127,128 D129			UDZ3.9B HSS104A 1SS133 MA111 MA111	ZENER DIODE DIODE DIODE DIODE DIODE	YMI YMI	6
D130 D201 D201 D201 D203			MA111 DA204U MA143A 1SS302 HZS8.2N(B2)	DIODE DIODE DIODE DIODE ZENER DIODE		
D203 D204 D204 D209 D209			MTZJ8.2(B) HZS5.1N(B2) MTZJ5.1(B) HZS3.3N(B2) MTZJ3.3(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D211 D213 D601 D602-605 D602-605			MA111 MA111 S1ZB20(4101) HSS104A 1SS133	DIODE DIODE DIODE DIODE DIODE	ET	
D608 D608 D608 IC101 IC101			HSS104A RB721Q 1SS133 * STK412-010A * STK412-010A	DIODE DIODE DIODE HYBRID IC HYBRID IC	KP YMI KP ETMXIY KP	5 5
IC101 IC102 IC102 IC102 IC102 IC103			* STK412-020A * STK413-010A * STK413-010A * STK413-020A * KIA7812API	HYBRID IC HYBRID IC HYBRID IC HYBRID IC ANALOGUE IC	ETMXIY KP	6 5 5 6
IC104 IC105 IC105 IC106 IC107,108			* KIA7912PI NJM4580ED NJM4580ED NJU7313AM NJM4565M	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	ETMXIY	6 5
IC109 IC110-112 IC113 IC114 IC201			NJU7313AM NJM4565M * STK442-090 * STK443-090 LA1837	ANALOGUE IC ANALOGUE IC HYBRID IC HYBRID IC ANALOGUE IC	KP KP KPET	4 4
IC201 IC202 IC601 IC602 Q1 ,2			LA1838 LC72131 * XC62FP5102P BA05T 2SC1740S(Q,R)	ANALOGUE IC MOS-IC ANALOGUE IC ANALOGUE IC TRANSISTOR	MXIY KP YMI YMI	
Q1 ,2 Q5 ,6 Q7 ,8 Q7 ,8 Q11 ,12			2SC2785(F,E) 2SD2351 2SC1740S(Q,R) 2SC2785(F,E) 2SD2351	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q13 ,14 Q13 ,14 Q16 Q17 Q51 -53			2SC1740S(Q,R) 2SC2785(F,E) 2SD2351 2SC2878(B) 2SA1576A(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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Q51 -53 Q54 Q113-117 Q118 Q118			2SB1218A(Q,R) 2SB1640 2SC3906K 2SA1576A(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q119,120 Q121 Q121 Q122,123 Q132			2SC3906K 2SA1576A(R,S) 2SB1218A(Q,R) 2SC1845(F,E) 2SC3906K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q133 Q134 Q135 Q135 Q136			2SB1566 2SC1845(F,E) 2SA1576A(R,S) 2SB1218A(Q,R) UN5219	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q137 Q138 Q139,140 Q141 Q142			2SD2395 2SB1640 DTC123JUA DTC123JUA DTC123JUA	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		6
Q201 Q201 Q202 Q202 Q203,204			2SC4081(R,S) 2SD1819A(Q,R) 2SA1576A(R,S) 2SB1218A(Q,R) 2SC4081(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	YMI	
Q203,204 Q206,207 Q206,207 Q210,211 Q212			2SD1819A(Q,R) 2SC4081(R,S) 2SD1819A(Q,R) 2SD1757K 2SA1576A(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	YMI ET ET	
Q212 Q214 Q214 Q601 Q601			2SB1218A(Q,R) 2SA1576A(R,S) 2SB1218A(Q,R) 2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
A1 A1			W02-2584-05 W02-2622-05	FM FRONT-END ASSY FM FRONT-END ASSY	ET KPYMIX	
PREAMP (X08-3010-10)						
C1 ,2 C3 C3 C5 ,6 C7 ,8			CE04RW1C100M CK73FB1H103K CC73FCH1H101J CK73FB1H222K CK73FB1E104K	ELECTRO CHIP C CHIP C CHIP C CHIP C	10UF 0.010UF 100PF 2200PF 0.10UF	16WV K J K K
C9 ,10 C21 C22 C23 C24 ,25			CE04RW1C4R7M CK73FB1E104K CE04LW1H100M CK73FB1H102K CK73FB1E104K	ELECTRO CHIP C ELECTRO CHIP C CHIP C	4.7UF 0.10UF 10UF 1000PF 0.10UF	16WV K 50WV K K
C26 C27 C29 C31 C32		*	CK73FF1C105Z C91-1597-05 CK73FB1H103K CC73FCH1H220J CK73FB1H472K	CHIP C CERAMIC CHIP C CHIP C CHIP C	1.0UF 4.7UF 0.010UF 22PF 4700PF	Z Z K J K
C33			CC73FCH1H220J	CHIP C	22PF	J

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C34			CK73FB1H472K	CHIP C 4700PF K		
C35			CK73FF1C105Z	CHIP C 1.0UF Z		
C41			CC73FCH1H220J	CHIP C 22PF J		
C42			CC73FCH1H270J	CHIP C 27PF J		
C43, 44			CK73FB1H102K	CHIP C 1000PF K		
C45			CK73FB1H103K	CHIP C 0.010UF K		
C46			CC73FCH1H220J	CHIP C 22PF J		
C54, 55			CC73FCH1H220J	CHIP C 22PF J		
C56			CK73FB1H102K	CHIP C 1000PF K		
C57			CK73FF1C105Z	CHIP C 1.0UF Z		
C58, 59			CK73FB1H103K	CHIP C 0.010UF K		
C103, 104			CK73FF1C105Z	CHIP C 1.0UF Z		
C105, 106			CK73FB1H182K	CHIP C 1800PF K		
C107, 108			CK73FB1H222K	CHIP C 2200PF K		
C109			CK73FB1H103K	CHIP C 0.010UF K		
C110			CC73FCH1H101J	CHIP C 100PF J		
C121, 122			CC73FCH1H220J	CHIP C 22PF J		
C125			CK73FB1H103K	CHIP C 0.010UF K		
C126			CC73FCH1H101J	CHIP C 100PF J		
C141			CC73FCH1H101J	CHIP C 100PF J		
C151, 152			CK73FF1C225Z	CHIP C 2.2UF Z		
C153, 154			CC73FCH1H101J	CHIP C 100PF J		
C155, 156			CK73FF1C105Z	CHIP C 1.0UF Z		
C157-160			CK73FF1C225Z	CHIP C 2.2UF Z		
C161, 162			CK73FB1H822K	CHIP C 8200PF K		
C163, 164			CK73FB1H153K	CHIP C 0.015UF K		
C165, 166			CK73FB1C334K	CHIP C 0.33UF K		
C167, 168			CK73FF1C225Z	CHIP C 2.2UF Z		
C169, 170			CK73FB1H222K	CHIP C 2200PF K		
C177-182			CK73FF1C225Z	CHIP C 2.2UF Z		
C183			CK73FF1C105Z	CHIP C 1.0UF Z		
C184			CC73FCH1H221J	CHIP C 220PF J		
C185, 186			CK73FB1E104K	CHIP C 0.10UF K		
C187, 188			CK73FB1H102K	CHIP C 1000PF K		
C203, 204			CK73FF1C105Z	CHIP C 1.0UF Z		
C205, 206			CK73FB1H182K	CHIP C 1800PF K		
C207, 208			CK73FB1H222K	CHIP C 2200PF K		
C209			CK73FB1H103K	CHIP C 0.010UF K		
C210			CC73FCH1H101J	CHIP C 100PF J		
C251-256			CC73FCH1H221J	CHIP C 220PF J		
C303, 304			CK73FF1C105Z	CHIP C 1.0UF Z		
C305			CK73FB1H182K	CHIP C 1800PF K		
C306			CK73FB1H682K	CHIP C 6800PF K		
C307			CK73FB1H222K	CHIP C 2200PF K		
C308			CK73FB1H822K	CHIP C 8200PF K		
C309			CK73FB1H103K	CHIP C 0.010UF K		
C310			CC73FCH1H101J	CHIP C 100PF J		
C401-403			CK73FB1H103K	CHIP C 0.010UF K		
C411-414			CC73FCH1H220J	CHIP C 22PF J		
C415-418			CC73FCH1H101J	CHIP C 100PF J		
C419			CC73FCH1H100D	CHIP C 10PF D		
C450			CK73FB1H103K	CHIP C 0.010UF K		
C451			CK73FB1E104K	CHIP C 0.10UF K		
C452			CE04LW1C222M	ELECTRO 2200UF 16WV		
C453, 454			CK73FB1E104K	CHIP C 0.10UF K		

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C455			CE04LW1A101M	ELECTRO 100UF 10WV		
C456, 457			CK73FB1E104K	CHIP C 0.10UF K		
C458			C92-0047-05	CHIP-ELE 47UF 6.3WV		
C459, 460			CK73FB1E104K	CHIP C 0.10UF K		
C461			CE04LW1E470M	ELECTRO 47UF 25WV		
C501-504			CK73FB1E104K	CHIP C 0.10UF K		
C505			CK73FB1H102K	CHIP C 1000PF K		
C506			CC73FCH1H471J	CHIP C 470PF J		
C507			CK73FB1H103K	CHIP C 0.010UF K		
C508			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C509			CE04LW1E470M	ELECTRO 47UF 25WV		
C510, 511			CK73FB1H103K	CHIP C 0.010UF K		
C601			CC73FCH1H470J	CHIP C 47PF J		
C602			CE04LW1E470M	ELECTRO 47UF 25WV		
C603			CC73FCH1H470J	CHIP C 47PF J		
C604			CE04LW1E470M	ELECTRO 47UF 25WV		
C607			CC73FCH1H470J	CHIP C 47PF J		
C608			CE04LW1E470M	ELECTRO 47UF 25WV		
C609, 610			CC73FCH1H470J	CHIP C 47PF J		
C621, 622			CK73FB1E104K	CHIP C 0.10UF K		
C751, 752			CC73FCH1H221J	CHIP C 220PF J		
C753			CK73FB1H103K	CHIP C 0.010UF K		
CN1		*	E40-8485-05	FLAT CABLE CONNECTOR		
CN2		*	E40-8484-05	FLAT CABLE CONNECTOR		
CN5		*	E40-4248-05	PIN ASSY		
CN5		*	E40-8358-05	PIN ASSY		
J1		*	E63-1080-05	PIN JACK		
J1		*	E63-1140-05	PIN JACK		
J2		*	E63-1139-05	PIN JACK		
J2		*	E63-1139-05	PIN JACK		
J3		*	E63-1138-05	PIN JACK		
J61		*	E63-1141-05	PIN JACK		
J75			E11-0293-05	MINIATURE PHONE JACK(2P)		
E1 ,2			J11-0809-05	WIRE CLAMPER		
L31 ,32		*	L92-0511-05	CHIP FERRITE		
L41		*	L92-0510-05	CHIP FERRITE		
X1		*	L77-2296-05	CRYSTAL RESONATOR(12.288MHZ)		
CP41-44			R90-0728-05	MULTI-COMP 180 X4		
CP51, 52			R90-0714-05	MULTI-COMP 10K X4		
R1 ,2			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R3 ,4			RK73FB2A101J	CHIP R 100 J 1/10W		
R5 ,6			RK73FB2A471J	CHIP R 470 J 1/10W		
R7 -10			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R11 ,12			RK73FB2A471J	CHIP R 470 J 1/10W		
R20		*	R92-1946-05	METAL GLAZE 4.7 J 1/4W		
R21			RK73FB2A221J	CHIP R 220 J 1/10W		
R31 ,32			RK73FB2A820J	CHIP R 82 J 1/10W		
R33			RK73FB2A471J	CHIP R 470 J 1/10W		
R34			RD14NB2E4R7J	RD 4.7 J 1/4W		
R41 ,42			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R43 -45			RK73FB2A221J	CHIP R 220 J 1/10W		
R54			RK73FB2A912J	CHIP R 9.1K J 1/10W		

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R55 -58			RK73FB2A221J	CHIP R 220 J 1/10W		
R59			RK73FB2A101J	CHIP R 100 J 1/10W		
R66			RK73FB2A104J	CHIP R 100K J 1/10W		
R67			RK73FB2A103J	CHIP R 10K J 1/10W		
R68			RK73FB2A221J	CHIP R 220 J 1/10W		
R101,102			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R103,104			RK73FB2A104J	CHIP R 100K J 1/10W		
R107,108			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R109,110			RK73FB2A103J	CHIP R 10K J 1/10W		
R111,112			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R113,114			RK73FB2A221J	CHIP R 220 J 1/10W		
R121-124			RK73FB2A103J	CHIP R 10K J 1/10W		
R125,126			RK73FB2A101J	CHIP R 100 J 1/10W		
R127,128			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R151-156			RK73FB2A100J	CHIP R 10 J 1/10W		
R157,158			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R159-164			RK73FB2A101J	CHIP R 100 J 1/10W		
R165			RK73FB2A751J	CHIP R 750 J 1/10W		
R166			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R168,169			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R170,171			RK73FB2A471J	CHIP R 470 J 1/10W		
R172-175			RK73FB2A473J	CHIP R 47K J 1/10W		
R201,202			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R203,204			RK73FB2A104J	CHIP R 100K J 1/10W		
R207,208			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R209,210			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R211,212			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R213,214			RK73FB2A221J	CHIP R 220 J 1/10W		
R215,216			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R217,218			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R251,252			RK73FB2A153J	CHIP R 15K J 1/10W		
R253,254			RK73FB2A223J	CHIP R 22K J 1/10W		
R255,256			RK73FB2A103J	CHIP R 10K J 1/10W		
R257,258			RK73FB2A223J	CHIP R 22K J 1/10W		
R259,260			RK73FB2A103J	CHIP R 10K J 1/10W		
R261,262			RK73FB2A223J	CHIP R 22K J 1/10W		
R301			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R302			RK73FB2A103J	CHIP R 10K J 1/10W		
R303,304			RK73FB2A104J	CHIP R 100K J 1/10W		
R307			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R308			RK73FB2A123J	CHIP R 12K J 1/10W		
R309,310			RK73FB2A103J	CHIP R 10K J 1/10W		
R311,312			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R313,314			RK73FB2A221J	CHIP R 220 J 1/10W		
R401-406			RK73FB2A471J	CHIP R 470 J 1/10W		
R407			RK73FB2A473J	CHIP R 47K J 1/10W		
R412			RK73FB2A221J	CHIP R 220 J 1/10W		
R426,427			RK73FB2A221J	CHIP R 220 J 1/10W		
R428			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R431,432			RK73FB2A103J	CHIP R 10K J 1/10W		
Δ R450-453		*	R92-1945-05	METAL GLAZE 1 J 1/4W		
Δ R454		*	R92-1946-05	METAL GLAZE 4.7 J 1/4W		
R461,462			RK73FB2A221J	CHIP R 220 J 1/10W		
R463			RK73FB2A473J	CHIP R 47K J 1/10W		
R464			RK73FB2A472J	CHIP R 4.7K J 1/10W		

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R465			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R501-503			RK73FB2A221J	CHIP R 220 J 1/10W		
R505			RK73FB2A103J	CHIP R 10K J 1/10W		
R514			RK73FB2A101J	CHIP R 100 J 1/10W		
R515			RK73FB2A221J	CHIP R 220 J 1/10W		
R516			RK73FB2A103J	CHIP R 10K J 1/10W		
R517			RK73FB2A221J	CHIP R 220 J 1/10W		
R518			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R519			RK73FB2A221J	CHIP R 220 J 1/10W		
R520,521			RK73FB2A103J	CHIP R 10K J 1/10W		
R522,523			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R524			RK73FB2A333J	CHIP R 33K J 1/10W		
R527			RK73FB2A103J	CHIP R 10K J 1/10W		
R601			RK73FB2A820J	CHIP R 82 J 1/10W		
R603			RK73FB2A820J	CHIP R 82 J 1/10W		
R607			RK73FB2A820J	CHIP R 82 J 1/10W		
R609			RK73FB2A104J	CHIP R 100K J 1/10W		
R610			RK73FB2A680J	CHIP R 68 J 1/10W		
R611			RK73FB2A104J	CHIP R 100K J 1/10W		
R612			RK73FB2A680J	CHIP R 68 J 1/10W		
R613			RK73FB2A1R0J	CHIP R 1 J 1/10W		
Δ R631,632		*	RK73FB2A681J	CHIP R 680 J 1/10W		
Δ R633,634		*	R92-1954-05	METAL GLAZE 100 J 1/10W		
D1			DAN202U	DIODE		
D1			MA142WK	DIODE		
D1			1SS301	DIODE		
D2			DAP202U	DIODE		
D2			MA142WA	DIODE		
D2			1SS300	DIODE		
D3			DAN202U	DIODE		
D3			MA142WK	DIODE		
D3			1SS301	DIODE		
D6			MA111	DIODE		
Δ D41			S1ZB20(4072)	DIODE		
D42 ,43			UD25.6B	ZENER DIODE		
D44			UD23.9B	ZENER DIODE		
D51 ,52			MA111	DIODE		
D61 ,62			UD25.6B	ZENER DIODE		
D75 ,76			MA111	DIODE		
D151,152			UD27.5B	ZENER DIODE		
IC1			NJM4565MD	IC(OP AMP X2)		
IC2		*	AK4527-VQ	MOS-IC		
IC4			TC7WU04FU	MOS-IC		
IC5		*	AK4110-VF	MOS-IC		
IC6		*	TC7WH123FU	MOS-IC		
IC11		*	NJM4565MD	IC(OP AMP X2)		
IC12			NJU7311AM	MOS-IC		
IC13			NJM4565MD	IC(OP AMP X2)		
IC14			NJU7311AM	MOS-IC		
IC15			M62446FP	ANALOGUE IC		
IC21			NJM4565MD	IC(OP AMP X2)		
IC31			NJM4565MD	IC(OP AMP X2)		
IC41		*	TC74HC07AF	MOS-IC		
IC42			TC74HCT7007AF	MOS-IC		

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PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

* New Parts
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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ IC45 Δ IC46 Δ IC47 IC51 IC51		*	TA48M05F TA48M033F TA48M025F CS493253-CLR CS493263-CLR	ANALOGUE IC ANALOGUE IC ANALOGUE IC MOS-IC MOS-IC		
IC61 Q1 Q1 Q15 Q15			NJM2279M DTC124EUA UN5212 2SD1664(Q,R) 2SD1963(R,S)-G	ANALOGUE IC DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
Δ Q16 Δ Q16 Q41 Q41 Q42		*	2SB1132(Q,R) 2SB1308(Q,R)-G 2SC4081(R,S) 2SD1819A(Q,R) 2SA1576A(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Δ Q42 Δ Q61 Δ Q62 Δ Q62		*	2SB1218A(Q,R) 2SD1664(Q,R) 2SD1963(R,S)-G 2SB1132(Q,R) 2SB1308(Q,R)-G	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
A1		*	W02-2716-05	OPTIC RECEIVING MODULE		
DISPLAY (X14-7120-10)						
D1 D3 -5		*	B30-2567-05 B30-2545-05	LED(RED(80) HI-BR) LED(RED3(160))		
C1 C1 C2 C3 C4 ,5			CE04RW0J331M CE04RW1A101M CK73FB1H103K CE04RW1H010M CE04RW1C100M	ELECTRO 330UF 6.3WV ELECTRO 100UF 10WV CHIP C 0.010UF K ELECTRO 1.0UF 50WV ELECTRO 10UF 16WV	KP ETMXIY	
C6 C7 C9 C10 -19 C20 ,21		*	CE04RW0J100M CK73FB1H103K CC73FCH1H470J CK73FB1H103K CK73FB1C104K	ELECTRO 10UF 6.3WV CHIP C 0.010UF K CHIP C 47PF J CHIP C 0.010UF K CHIP C 0.10UF K		
C22 C23 C24 C25 C26 ,27			CK73FF1C105Z CE04RW0J470M CE04RW0J470M CK73FB1H103K CC73FCH1H270J	CHIP C 1.0UF Z ELECTRO 47UF 6.3WV ELECTRO 47UF 6.3WV CHIP C 0.010UF K CHIP C 27PF J	ET ET ET	
C28 C29 C30 C31 C32		*	CC73FCH1H561J CC73FCH1H271J CE04RW1V2R2M CC73FCH1H101J CE04RW0J220M	CHIP C 560PF J CHIP C 270PF J ELECTRO 2.2UF 35WV CHIP C 100PF J ELECTRO 22UF 6.3WV	ET ET ET ET	
C33 -35 C36 ,37 C38 C39 C40		*	CC73FCH1H101J CC73FCH1H470J CE04RW1H330M CK73FB1H103K C90-1826-05	CHIP C 100PF J CHIP C 47PF J ELECTRO 33UF 50WV CHIP C 0.010UF K BACKUP-C 0.047F 5.5WV	YMI XET	
C41 C42 C43 ,44 C45 ,46 C47			CK73FB1H103K CK73FB1H103K CC73FCH1H101J CC73FCH1H470J CC73FCH1H101J	CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 100PF J CHIP C 47PF J CHIP C 100PF J	MXI MXIY	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C48 C49 C50 C51 C52		*	CC73FCH1H101J CE04RW0J331M CC73FCH1H101J CE04RW1H2R2M CK73FB1H103K	CHIP C 100PF J ELECTRO 330UF 6.3WV CHIP C 100PF J ELECTRO 2.2UF 50WV CHIP C 0.010UF K	YMI KP YMI ET	
C53 C54 C55 C56 C57		*	CC73FCH1H101J CE04RW1H4R7M CC73FCH1H470J CC73FCH1H220J CC73FCH1H221J	CHIP C 100PF J ELECTRO 4.7UF 50WV CHIP C 47PF J CHIP C 22PF J CHIP C 220PF J		
C58 C59 C106,107			CC73FCH1H470J CK73FF1C105Z CC73FCH1H101J	CHIP C 47PF J CHIP C 1.0UF Z CHIP C 100PF J		
CN1 CN2 CN3 CN5 J1		*	E40-8510-05 E40-8504-05 E40-3247-05 E40-3261-05 E11-0272-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY PIN ASSY PHONE JACK		
E5			J11-0808-05	WIRE CLAMPER		
X1 X2		*	L78-0714-05 L77-2002-05	RESONATOR (8MHZ) CRYSTAL RESONATOR(4.332MHZ)	ET	
CP1 CP2 ,3 CP501 CP502 R4			R90-0855-05 R90-0482-05 R90-0855-05 R90-0850-05 RK73FB2A102J	MULTI-COMP 100KX5 J MULTI-COMP 100KX4 J MULTI-COMP 100KX5 J MULTI-COMP 100KX3 J CHIP R 1.0K J	1/6W 1/6W 1/6W 1/10W	
R5 R7 R8 R11 R12			RK73FB2A103J RK73FB2A104J RK73FB2A102J RK73FB2A223J RK73FB2A331J	CHIP R 10K J CHIP R 100K J CHIP R 1.0K J CHIP R 22K J CHIP R 330 J	1/10W 1/10W 1/10W 1/10W 1/10W	YMI
R13 ,14 R15 R29 R31 -33 R36 ,37			RK73FB2A104J RK73FB2A331J RK73FB2A122J RK73FB2A221J RK73FB2A104J	CHIP R 100K J CHIP R 330 J CHIP R 1.2K J CHIP R 220 J CHIP R 100K J	1/10W 1/10W 1/10W 1/10W 1/10W	
R38 -43 R44 -49 R50 R51 R52 ,53			RK73FB2A103J RK73FB2A101J RK73FB2A272J RK73FB2A102J RK73FB2A272J	CHIP R 10K J CHIP R 100 J CHIP R 2.7K J CHIP R 1.0K J CHIP R 2.7K J	1/10W 1/10W 1/10W 1/10W 1/10W	YMI
R54 ,55 R57 ,58 R59 -63 R64 R65 ,66			RK73FB2A103J RK73FB2A223J RK73FB2A104J RK73FB2A101J RK73FB2A103J	CHIP R 10K J CHIP R 22K J CHIP R 100K J CHIP R 100 J CHIP R 10K J	1/10W 1/10W 1/10W 1/10W 1/10W	YMI
R67 R69 ,70 R71 ,72 R83 R86			RD14NB2E222J RK73FB2A103J RK73FB2A473J RK73FB2A564J RD14NB2E152J	RD 2.2K J CHIP R 10K J CHIP R 47K J CHIP R 560K J RD 1.5K J	1/4W 1/10W 1/10W 1/10W 1/4W	YMI YMI
R98 R107-109			RK73FB2A104J RK73FB2A104J	CHIP R 100K J CHIP R 100K J	1/10W 1/10W	

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PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R110			RK73FB2A1R0J	CHIP R 1 J 1/10W	ET	
R111			RK73FB2A101J	CHIP R 100 J 1/10W	ET	
R112			RK73FB2A473J	CHIP R 47K J 1/10W	ET	
R113			RK73FB2A101J	CHIP R 100 J 1/10W	ET	
R114			RK73FB2A104J	CHIP R 100K J 1/10W		
R118			RK73FB2A104J	CHIP R 100K J 1/10W		
R119-126			RK73FB2A101J	CHIP R 100 J 1/10W		
R127-129			RK73FB2A104J	CHIP R 100K J 1/10W		
R130			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R141,142			RK73FB2A104J	CHIP R 100K J 1/10W		
R143			RK73FB2A101J	CHIP R 100 J 1/10W		
R161,162			RK73FB2A104J	CHIP R 100K J 1/10W		
R501,502			RK73FB2A104J	CHIP R 100K J 1/10W		
W503			R92-0679-05	CHIP R 0 OHM		
W505			R92-0679-05	CHIP R 0 OHM	YMI	
W509			R92-0679-05	CHIP R 0 OHM		
W514			R92-0679-05	CHIP R 0 OHM		
S4 -18			S70-0031-05	TACT SWITCH		
S19			S68-0107-05	PUSH SWITCH	YMI	
S1			T99-0602-05	ROTARY ENCODER		
S2		*	T99-0630-05	ROTARY ENCODER		
D7			HZS6.2N(B2)	ZENER DIODE		
D7			MTZJ6.2(B)	ZENER DIODE		
D8 ,9			RB721Q	DIODE		
D11 ,12			MA111	DIODE		
D13			HSS104A	DIODE	KP	
D13			1SS133	DIODE		
D15 ,16			MA111	DIODE	KP	
D17 -22			HSS104A	DIODE		
D17 -22			1SS133	DIODE		
D24			HSS104A	DIODE	ETX	
D24			1SS133	DIODE		
D27			HSS104A	DIODE	ETX	
D27			1SS133	DIODE	KP	
D28			HSS104A	DIODE	ETX	
D28			1SS133	DIODE	ETX	
D29			HSS104A	DIODE	ETX	
D29			1SS133	DIODE	ETX	
D30			HSS104A	DIODE	ETX	
D30			1SS133	DIODE	ETX	
D33			HSS104A	DIODE	ETX	
D33			1SS133	DIODE		
D35 ,36			MA111	DIODE		
ED1			SVA-11MS22	FLUORESCENT INDICATOR TUBE	YMI	
IC1		*	MN101C35DRA	MI-COM IC		
IC2		*	S-80840ANY	ANALOGUE IC		
IC3		*	TA78057F	ANALOGUE IC	KPXET	
IC4			BU1923F	ANALOGUE IC	ET	
IC5			S-80840ANY	ANALOGUE IC	YMI	
IC6			XC62FP5102P	ANALOGUE IC	YMI	
Q1			2SC4081(R,S)	TRANSISTOR		
Q2			2SA1576A(R,S)	TRANSISTOR		
Q3 -5			2SC4081(R,S)	TRANSISTOR		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q6			UN5219	DIGITAL TRANSISTOR		
Q9 -11			UN5219	DIGITAL TRANSISTOR		
Q12 ,13			2SA1576A(R,S)	TRANSISTOR		
Q14			DTA124EUA	DIGITAL TRANSISTOR		
Q14			UN5112	DIGITAL TRANSISTOR		
A1			W02-2625-05	OPTIC RECEIVING MODULE		

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HOW TO READ THE PARTS LIST

Destination column has the abbreviation for sale country and model.
Alphabets mean the country. Numerals do model.
Example: X means KRF-V5030D-S and KRF-V6030D-S for Australia market.
5 does KRF-V4530D, KRF-5030D, KRF-V5030DE KRF-V5030D-S and VR-405.

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNT	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
ABB.		X	P	C	T	E	G	H	I
KRF-V4530D	5	-	-	-	-	E4	-	-	-
KRF-V5030D	5	-	-	-	T5	E1	-	-	-
KRF-V5030DE	5	-	-	-	-	E2	-	-	-
KRF-V5030D-S	5	X5	-	-	-	E3	-	-	I5
KRF-V6030D	6	-	-	-	-	E6	-	-	-
KRF-V6030DE	6	-	-	-	-	E7	-	-	-
KRF-V6030D-S	6	X6	-	-	-	-	-	-	I6
VR-405	5	-	P5	-	-	-	-	-	-
VR-406	6	-	P6	-	-	-	-	-	-
VR-414	4	-	P4	-	-	-	-	-	-
MODEL	CNT	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	Other area(M2)
ABB.		R	Y	Q	L	V	K	M	M2
KRF-V4530D	5	-	-	-	-	-	-	-	-
KRF-V5030D	5	-	Y5	-	-	-	-	-	-
KRF-V5030DE	5	-	-	-	-	-	-	-	-
KRF-V5030D-S	5	-	-	-	-	-	-	M5	-
KRF-V6030D	6	-	-	-	-	-	-	-	-
KRF-V6030DE	6	-	-	-	-	-	-	-	-
KRF-V6030D-S	6	-	-	-	-	-	-	M6	-
VR-405	5	-	-	-	-	-	K5	-	-
VR-406	6	-	-	-	-	-	K6	-	-
VR-414	4	-	-	-	-	-	K4	-	-

KRF-V4530D/V5030D/V6030D/VR-405/406/414
PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

SPECIFICATIONS

For U.S.A and Canada

AUDIO section (VR-407/406)

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz (VR-407), 40Hz (VR-406) to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
CENTER (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven)	100 W
SURROUND (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
Total harmonic distortion	0.055% (1 kHz, 50W, 8 Ω)
Frequency response	
CD	10 Hz ~ 53 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
PHONO (MM)	75 dB
CD	91 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 k Ω
CD	200 mV / 47 k Ω
MONITOR IN (VR-406:VIDEO2/MONITOR)	200 mV / 47 k Ω
Output level / impedance	
TAPE REC	200 mV / 1 k Ω
MONITOR OUT (VR-406:VIDEO2/MONITOR)	200 mV / 1 k Ω
PRE OUT (SUBWOOFER)	2 V / 2.2 k Ω
Tone control	
BASS	± 10 dB (at 100 Hz)
TREBLE	± 10 dB (at 10 kHz)

AUDIO section (VR-405/414)

Rated power output during STEREO operation

80 watts (VR-405), 50watts (VR-414) per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven)	80 W + 80 W (VR-405), 50 W + 50 W (VR-414)
CENTER (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven)	80 W (VR-405), 50 W (VR-414)
SURROUND (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven)	80 W + 80 W (VR-405), 50 W + 50 W (VR-414)
Total harmonic distortion	0.055% (1 kHz, 40W, 8 Ω)
Frequency response	
CD	10 Hz ~ 53 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
CD	91 dB
Input sensitivity / impedance	
CD	200 mV / 47 k Ω
MONITOR IN (VIDEO2/MONITOR)	200 mV / 47 k Ω
Output level / impedance	
TAPE REC	200 mV / 1 k Ω
MONITOR OUT (VIDEO2/MONITOR)	200 mV / 1 k Ω
PRE OUT (SUBWOOFER)	2 V / 2.2 k Ω
Tone control	
BASS	± 10 dB (at 100 Hz)
TREBLE	± 10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length	
Optical	(-15 dBm ~ -21 dBm), 660 nm ± 30 nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs

VIDEO (composite)	1 Vp-p / 75 Ω
S VIDEO (VR-407 only)	
(luminance signal)	1 Vp-p / 75 Ω
(chrominance signal)	0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108 MHz
Usable sensitivity (MONO)	1.6 μ V (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity	
STEREO	31.6 μ V (75 Ω) / 41.2 dBf
Total harmonic distortion (1 kHz)	
MONO	0.6% (65 dBf input)
STEREO	0.7% (65 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)	
MONO	75 dB (65 dBf input)
STEREO	68 dB (65 dBf input)
Stereo separation (1 kHz)	38 dB
Selectivity (± 400 kHz)	70 dB
Frequency response	(30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	
10 kHz step	530 kHz ~ 1,700 kHz
Usable sensitivity (30% mod., S/N 20 dB)	16 μ V / (600 μ V/m)
Signal to noise ratio (30% mod. 1 mV input)	50 dB

GENERAL

Power consumption (VR-414)	2.3 A
(VR-405)	2.0 A
(VR-407/406)	2.6 A
AC outlet	
SWITCHED	(total 150 W, 1.25 A max.)
Dimensions	W : 440 mm (17-5/16")
	H : 143 mm (5-5/8")
	D : 400 mm (15-3/4")
Weight (Net)	7.2 kg (15.8 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V4530D/V5030D/V6030D/VR-405/406/414

SPECIFICATIONS

For other countries

AUDIO section (KRF-V7030D/V6030D)

Effective power output during STEREO operation
1kHz, 10% T.H.D., at 8 Ω 140 W + 140 W

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz (KRF-V6030D), 20Hz (KRF-V7030D) to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

Effective power output during SURROUND operation

FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven) 140 W + 140 W

CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven) 140 W

SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven) 140 W + 140 W

Total harmonic distortion 0.055% (1 kHz, 50W, 8 Ω)

Frequency response

CD 10 Hz ~ 50 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

CD 91 dB

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 k Ω

CD 200 mV / 47 k Ω

MONITOR IN (KRF-V6030D:VIDEO2/MONITOR) 200 mV / 47 k Ω

Output level / impedance

TAPE REC 200 mV / 1 k Ω

MONITOR OUT (KRF-V6030D:VIDEO2/MONITOR) 200 mV / 1 k Ω

PRE OUT (SUBWOOFER) 2 V / 2.2 k Ω

Tone control

BASS (For Australia and U.S-Military) ± 10 dB (at 100 Hz)

BASS (Other countries) ± 10 dB (at 60 Hz)

TREBLE ± 10 dB (at 10 kHz)

AUDIO section (KRF-V5030D)

Effective power output during STEREO operation
(1 kHz, 10%, 8 Ω) 110 W + 110 W

80 watts channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven) 110 W + 110 W

CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven) 110 W

SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven) 110 W + 110 W

Total harmonic distortion 0.055% (1 kHz, 40W, 8 Ω)

Frequency response

CD 10 Hz ~ 53 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) 73 dB

CD 91 dB

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 k Ω

CD 200 mV / 47 k Ω

MONITOR IN (VIDEO2/MONITOR) 200 mV / 47 k Ω

Output level / impedance

TAPE REC 200 mV / 1 k Ω

MONITOR OUT (VIDEO2/MONITOR) 200 mV / 1 k Ω

PRE OUT (SUBWOOFER) 2 V / 2.2 k Ω

Tone control

BASS (For Australia and U.S-Military) ± 10 dB (at 100 Hz)

BASS (Other countries) ± 10 dB (at 60 Hz)

TREBLE ± 10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 96kHz

Input level / impedance / wave length

Optical (-15 dBm ~ -21 dBm), 660 nm ± 30 nm

Coaxial 0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs

VIDEO (composite) 1 Vp-p / 75 Ω

S VIDEO (KRF-V7030D only)

(luminance signal) 1 Vp-p / 75 Ω

(chrominance signal) 0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (MONO)

..... 1.6 μ V (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)

50dB quieting sensitivity

STEREO 31.6 μ V (75 Ω) / 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.6% (65 dBf input)

STEREO 0.7% (65 dBf input)

Signal to noise ratio (1 kHz, 75 kHz DEV.)

MONO 75 dB (65 dBf input)

STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz) 38 dB

Selectivity (± 400 kHz) 50 dB

Frequency response (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range

9 kHz step 531 kHz ~ 1,602 kHz

10 kHz step 530 kHz ~ 1,610 kHz

Usable sensitivity 16 μ V / (600 μ V/m)

Signal to noise ratio (30% mod. 1 mV input) 50 dB

GENERAL

Power consumption

KRF-V5030D 190 W

KRF-V7030D/V6030D 250 W

AC outlet

SWITCHED (total 90 W max.)

Dimensions W : 440 mm

H : 143 mm

D : 400 mm

Weight (Net)(KRF-V7030D/V6030D) 7.4 kg

(Net)(KRF-V5030D) 7.2 kg

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V4530D/V5030D/V6030D/VR-405/406/414

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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